Kernel for MySQL Database

Recover all original Objects intact from corrupt MySQL database

PRODUCT GUIDE

KERNEL
for MySQL Database

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1. About Kernel for MySQL Database

1.1 About the Manual

Welcome to the user manual of Kernel for MySQL Database which is a highly effective, compact and powerful MySQL database recovery tool that repairs severely damaged, inaccessible or corrupted MySQL database. The tool repairs MyISAM format database and recovers entire Table data, triggers, primary keys and views. This user manual guides users in using the tool effectively. It is recommended that novice as well as experienced users should carefully go through this user manual before using the software. A user who is well aware of the software can even use table of contents for finding the particular portion of manual. The table of contents enlists all the sections described in this manual from where one can navigate through different sections of this user manual. The user manual consists of step-by-step guidelines for using Kernel for MySQL Database. The user manual consists of the following sections:

- About Kernel for MySQL Database

- Getting started with the User Interface

- Install and Uninstall

- Using Kernel for MySQL Database

- Download Purchase and Register

- Troubleshooting

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1.2 Introduction to Kernel for MySQL Database

Kernel for MySQL Database is an advanced, effective, and powerful MySQL database repair tool that repairs corrupted, damaged or inaccessible MySQL database accurately and flawlessly. The utility resolves MyISAM format database corruption issues and recovers entire table data, triggers, primary keys and views. The software offers two modes for saving data - Offline mode and Online mode. In offline mode, recovered database can be saved at the desired location without having access to MySQL server. In online mode, recovered database is saved directly in the current folder of the MySQL server. The entire recovery process constitutes of only three simple steps - Browse and add the damaged MySQL database file, Recover and preview the recovered data and Select and save the recovered data at desired location. The software is available as a free trial version and offers easy-to-use, simple, interactive user interface such that even non-technical users can easily operate it.

1.3 Salient Features

Key features of Kernel for MySQL database are as follows:

- Repairs MyISAM format database with complete accuracy.

- Accurately recovers tables and its properties such as triggers, views, and primary keys from MySQL database.

- Displays preview of entire recovered database in a tree-like structure after scanning the corrupt MySQL database file.

- Offers two modes for saving the recovered database in MySQL server- either as a new database or in an existing database. User can even save the recovered database offline in batch format in local hard disk that can be transferred later as per requirement.

- MySQL server can be accessed remotely anywhere in the network.

- Recovered database can be saved on multiple MySQL server versions installed on a single system.

- Recovers all objects of MySQL database and preserves their original structure.

- Allows user to copy script of triggers and views from the application's interface.

- Offers easy-to-use, simple, attractive interface. No technical skills required for operating the software.

- Supports MySQL 6.x, 5.x, 4.x, and 3.x versions.

- Available as free demo version.

- Offers round-the-clock technical support.

1.4 System Requirements

Your computer system must have the appropriate configuration before installing and running Kernel for MySQL Database. Following are the minimum system requirements that a system should possess for successfully installing the Kernel for MySQL Database software.

Basic System Requirements

- Pentium Class Processor

- 512 MB RAM (1 GB Recommended)

- 20 MB free disk space for software installation

- Enough disk space to save results

Supported Windows OS Platforms (32/64 bit)

- Windows 8

- Windows 7

- Windows Vista

- Windows XP

- Windows 2008 Server

- Windows 2003 Server

- Windows 2000 Server

Supported MySQL Server Versions

- MySQL 6.x, 5.x, 4.x, and 3.x

2. Getting started with the User Interface

2.1 Welcome Screen of the Software

Kernel for MySQL software offers attractive graphical user interface. In the middle of the screen there is Browse button using which user can add the corrupt MySQL database to the application. After adding the corrupt MySQL database file, click the Recover button to continue the recovery process. The left pane of the software displays the Tables and its properties in a tree-like structure and the right pane shows preview of the recovered data that can be saved to the desired location.
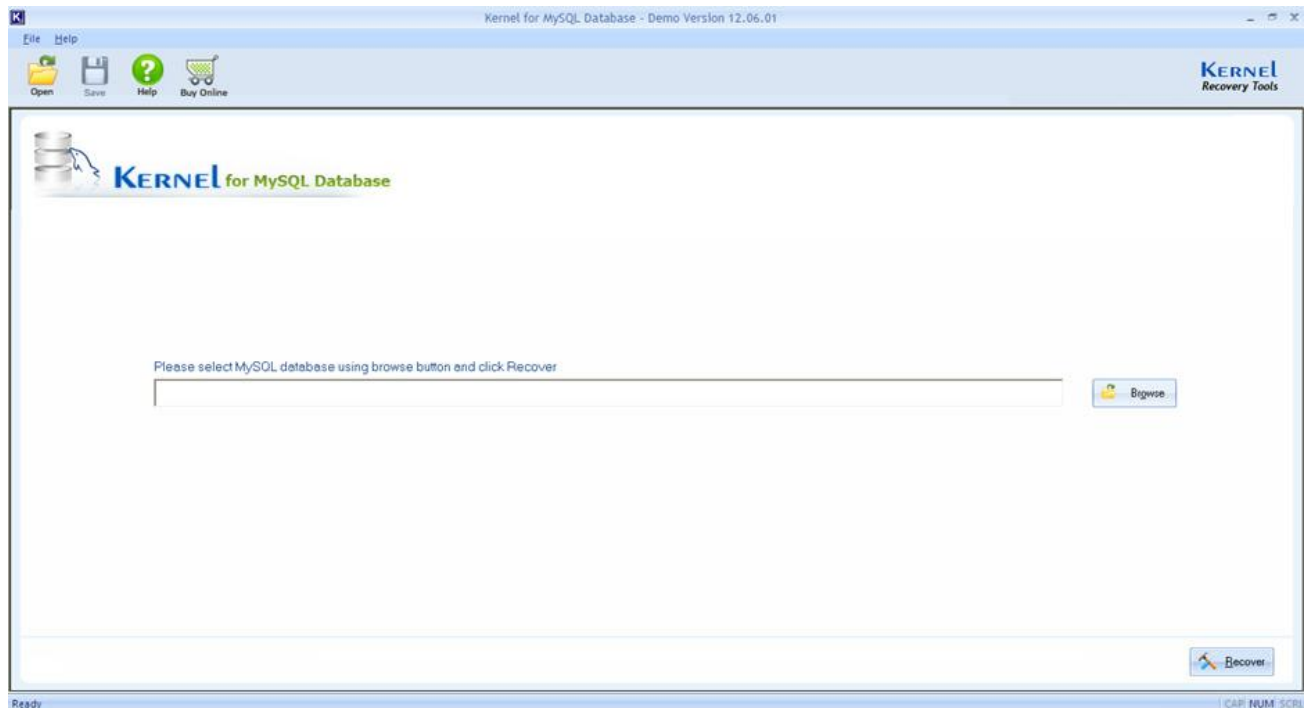
Figure 2.1: Welcome Screen of Kernel for MySQL Software

2.2 Menu Bar

The Menu bar of Kernel for MySQL Database comprises only two menus:

- File Menu

- Help Menu

File Menu

File menu of the Kernel for MySQL Database software appears, as shown in the following figure:
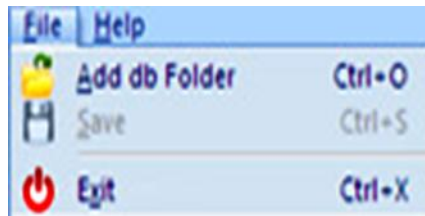
Figure 2.2: File Menu

Following table enlists the options available in the **File** menu:

Option	Description
Add db Folder	Adds MySQL database folder to the application
Save	Launches Save database wizard
Exit	Exits from the application

Help Menu

Help menu of Kernel for MySQL Database software appears, as shown in the following figure:
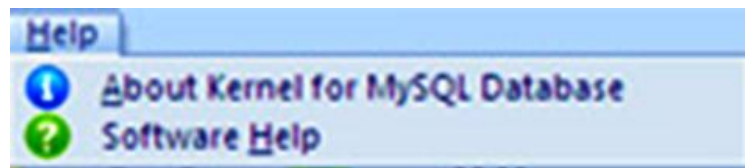
Figure 2.3: Help Menu

Following table enlists the options available in the **Help** menu:

Option	Description
About Kernel for MySQL Database	Gives information about the software
Software Help	Launches Online Help manual

2.3 Tool Bar

Tool bar consists of buttons that work as shortcuts for various options available in the main menus of Kernel for MySQL Database software. Following table enlists the buttons available on the Tool bar of the Kernel for MySQL Database software:

Button	Button Name	Description

		Open	Click this button to add corrupt MySQL database to the application.
		Save	Click this button to save the recovered data from MySQL database.
		Help	Click this button to launch Online Help Manual.
		Buy Online	Click this button to purchase the software.

2.4 Buttons Used

There are several buttons used in the Kernel for MySQL Database software that helps user throughout the recovery process. Following table enlists the buttons used in the Kernel for MySQL Database software:

Button	Description
Browse	Click this button to browse MySQL Database to add to the application.
Recover	Click this button to recover corrupt MySQL Database added to the application.
Back	This button takes user to the previous step of the process.
Save	Click this button to launch the Save Database wizard.
Stop	Click this button to stop the recovery process.
Test Connection	This button checks if connection parameters provided are correct or not.

KERNEL
for MySQL Database

3. Install and Uninstall

3.1 Install Kernel for MySQL Database

After being familiar with the software overview, key features, and system requirements let us install the Kernel for MySQL Database software. However, before installing the software make sure that the software installer file is available on your computer. If the file is not available on your computer then you can download it from our Website:

http://www.nucleustechnologies.com/mysql-repair.html

After you have downloaded the installer file, execute the following steps to install the software:

1. Double-click the Kernel for MySQL Database installer file.
2. Follow the on-screen instructions. When the installation process completes "Setup Installation Complete" message appears on the software installation screen.
3. Click the **Finish** button to launch the software.

After you have completed the software installation process, a shortcut to start the software will be added in the Windows Start program menu. You can start the software from Windows Start program menu.

3.2 Uninstall Kernel for MySQL Database

Kernel for MySQL Database can be uninstalled from the computer system by using one of the following two methods:

- Uninstall from Windows Start Menu
- Uninstall from Control Panel

> ✎ **Note**: Before starting the un-installation process, make sure that the Kernel for MySQL Database is not in use.

Uninstall from the Windows Start menu

Execute the following steps to uninstall Kernel for MySQL Database from Windows Start menu:

1. Click **Start > All Programs > Kernel for MySQL Database > Uninstall Kernel for MySQL Database**. A warning message before uninstalling the software will be displayed on the screen.
2. Click **Yes** button to uninstall the software.
3. Click **OK** button.

Kernel for MySQL Database is successfully uninstalled from your computer system.

Uninstall from Control Panel

Execute the following steps to uninstall Kernel for MySQL Database from Control Panel:

1. Click **Start > Control Panel**. The Control Panel window appears.
2. Double-click the **Add or Remove Programs** icon. A list of the programs installed on your computer system appears.
3. Select Kernel for MySQL Database and click the **Remove** button. A warning message before uninstalling the software will be displayed on the screen.
4. Click **Yes** button to uninstall the software.
5. Click **OK** button.

Kernel for MySQL Database is successfully uninstalled from your computer system.

4. Using Kernel for MySQL Database

4.1 Adding Database to the Application

To recover corrupt MySQL database you need to add it to the application. Execute the following steps to add the corrupt MySQL Database file:

Step 1: Click **Browse** button to locate and add corrupt MySQL Database file which could be stored on the local disk or on network.

Select the file and click **OK**.

Step 2: Click on the **Recover** button.
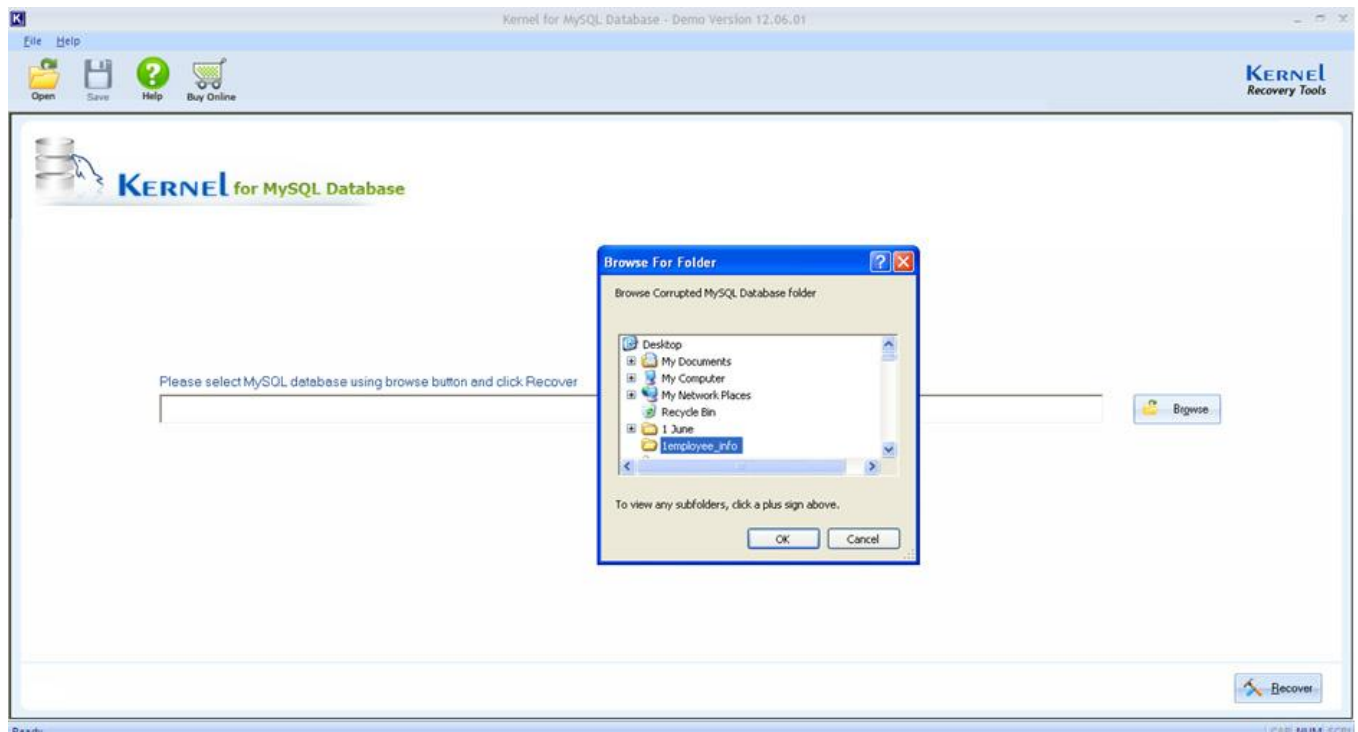
Figure 4.1: Adding corrupt MySQL Database folder to the application

The Database gets added to the application and all the Tables in it are displayed in a tree-like structure.

Figure 4.2: Displaying the recovered tables in a tree-like structure

Step 3: Click on the expand button against the Tables to view their properties.

Attributes of the database such as total count of Tables, Views and Triggers are displayed in the bottom left corner of the screen.

Figure 4.3: Viewing the properties of the tables

4.2 Preview of the Recovered Database

Kernel for MySQL Database allows you to preview the recovered data before you save it. Execute the following steps to see preview of the recovered data:

1. Click on the Table whose data you want to preview. All the records within the concerned Table are displayed in the right-pane. Similarly, to see preview of Keys, Triggers and Views you need to click on the respective Object types to see their preview.

The following figure shows preview of a Table:
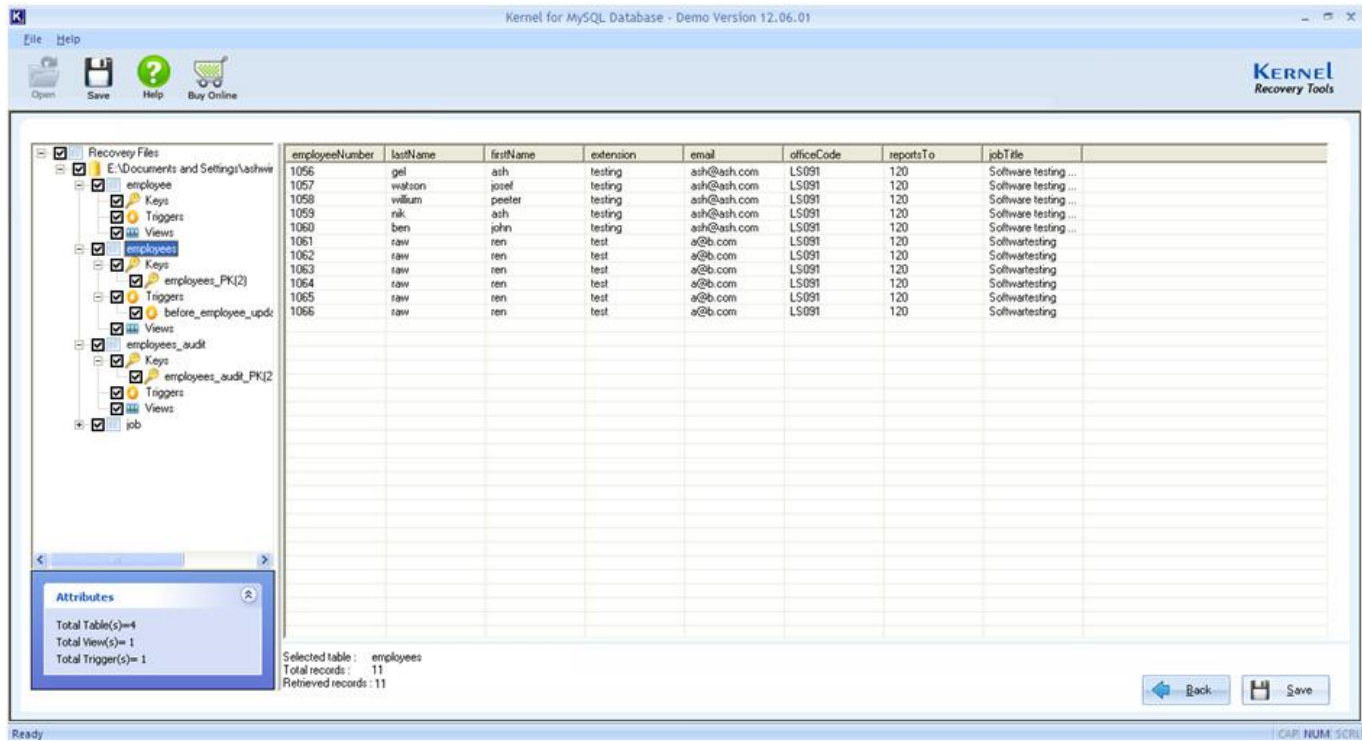
Figure 4.4: Displaying preview of a Table

The following figure shows preview of a Trigger:
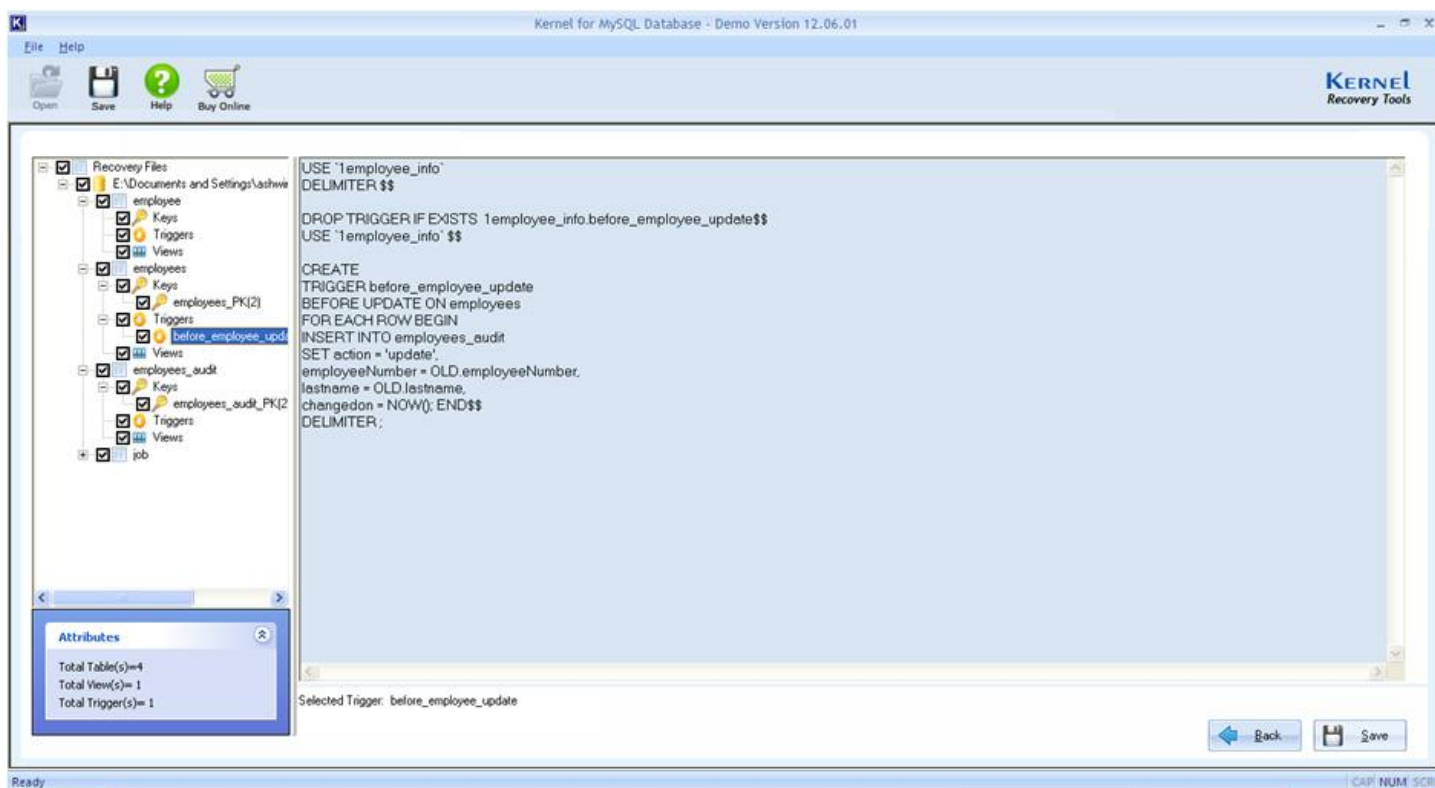
Figure 4.5: Displaying preview of a Trigger

> ✍ **Note**: Free Trial version of Kernel for MySQL Database has some limitations. You
> can see Script preview of the recovered Objects but cannot copy the script.

Stopping the retrieving process

If you are dealing with a large database then retrieving process may take considerable time. You can stop the retrieving process by clicking **Stop** button in the middle of the process.

This will open up a dialog box that will ask if you want to stop the retrieving process in the middle. Select **Yes** if you want to stop the process.
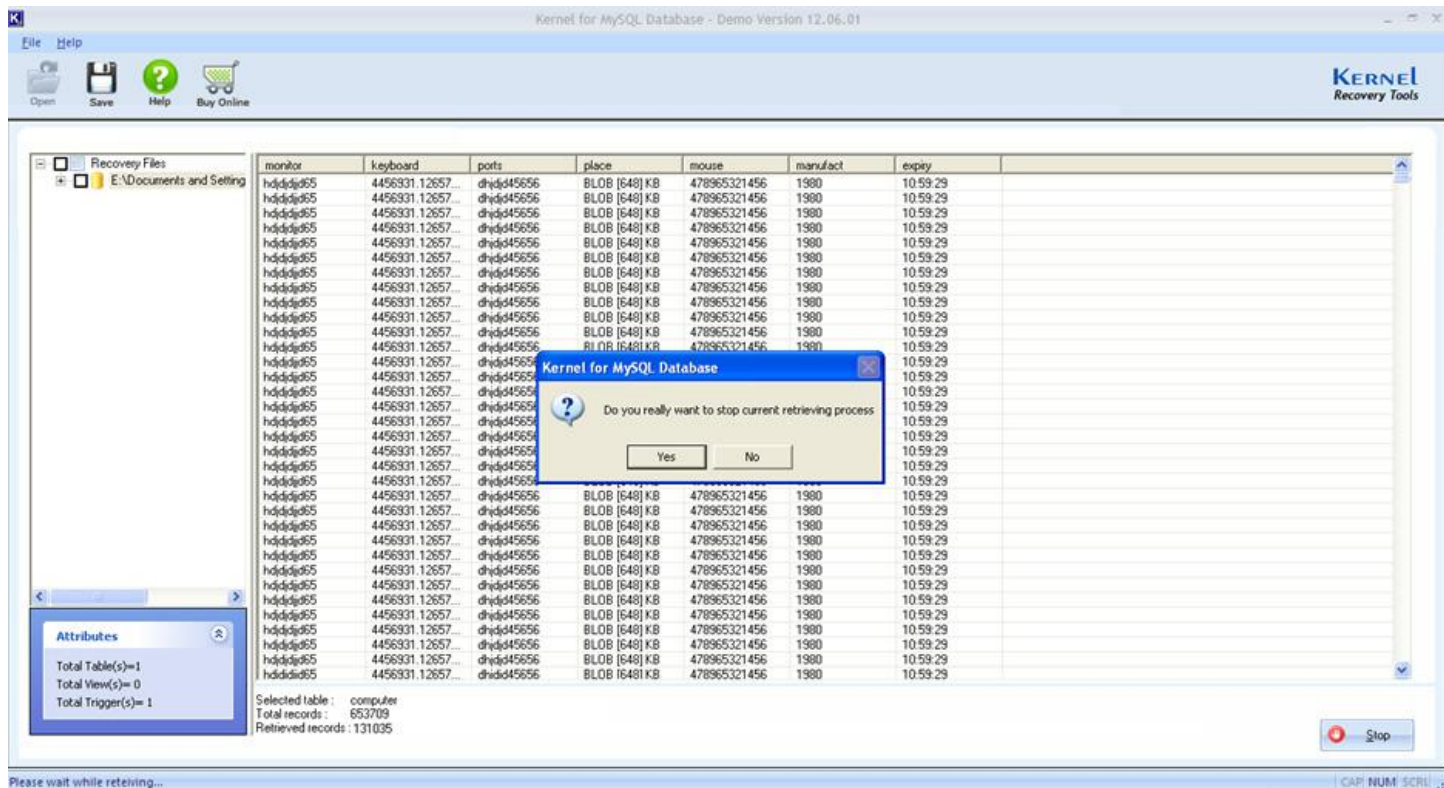
Figure 4.6: Stopping the retrieving process

> ✍ **Note**: Just below the preview pane of the screen some information such as Selected Table, Total Records and Retrieved Records are displayed.

4.3 Saving Recovered Database

After previewing recovered content of a MySQL Database and for saving it, perform the following steps:

Step 1: Select the Table(s) and the Property(s) that you want to save by marking the checkboxes against them.

> ✍ **Note**: The Objects (Keys, Triggers, and Views) cannot be selected until you have selected the Table to which they belong.

Step 2: Click on the **Save** button present at the bottom right corner of the screen or under **File** menu.
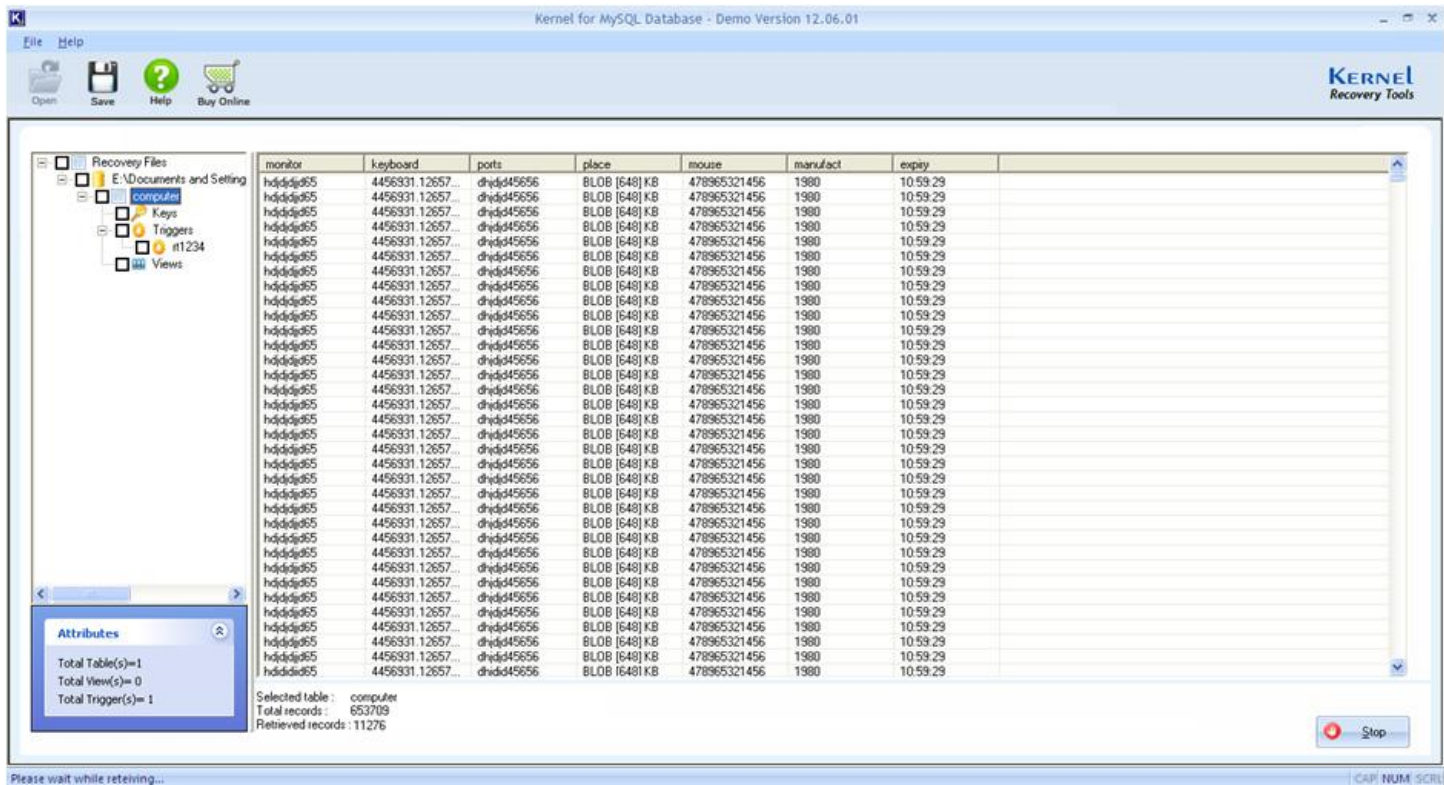
Figure 4.7: Selecting Tables and Properties for Saving

Saving Mode dialog box opens up.

For saving the recovered data, two modes of saving are available which are as follows:

- **MySQL Settings:** This is the online mode that saves the recovered database in the current root folder of the MySQL server. For this, MySQL server needs to be installed on the machine.
- **Batch File Mode:** This is the offline mode that saves the database on the local disk in batch file mode. This mode does not require MySQL server installation on the machine.

MySQL Settings Mode

Step 3: Specify the relevant values in the following four boxes:
- **ServerHost:** Specify the Name of MySQL ServerHost or Network IP of the system.
- **Port:** Specify the Port number.
- **User:** Specify UserName for the MySQL Server.
- **Password:** Specify the Password for the MySQL Server.

You can click on the **Test Connection** button to check if connection parameters specified in the above four boxes are correct or not.
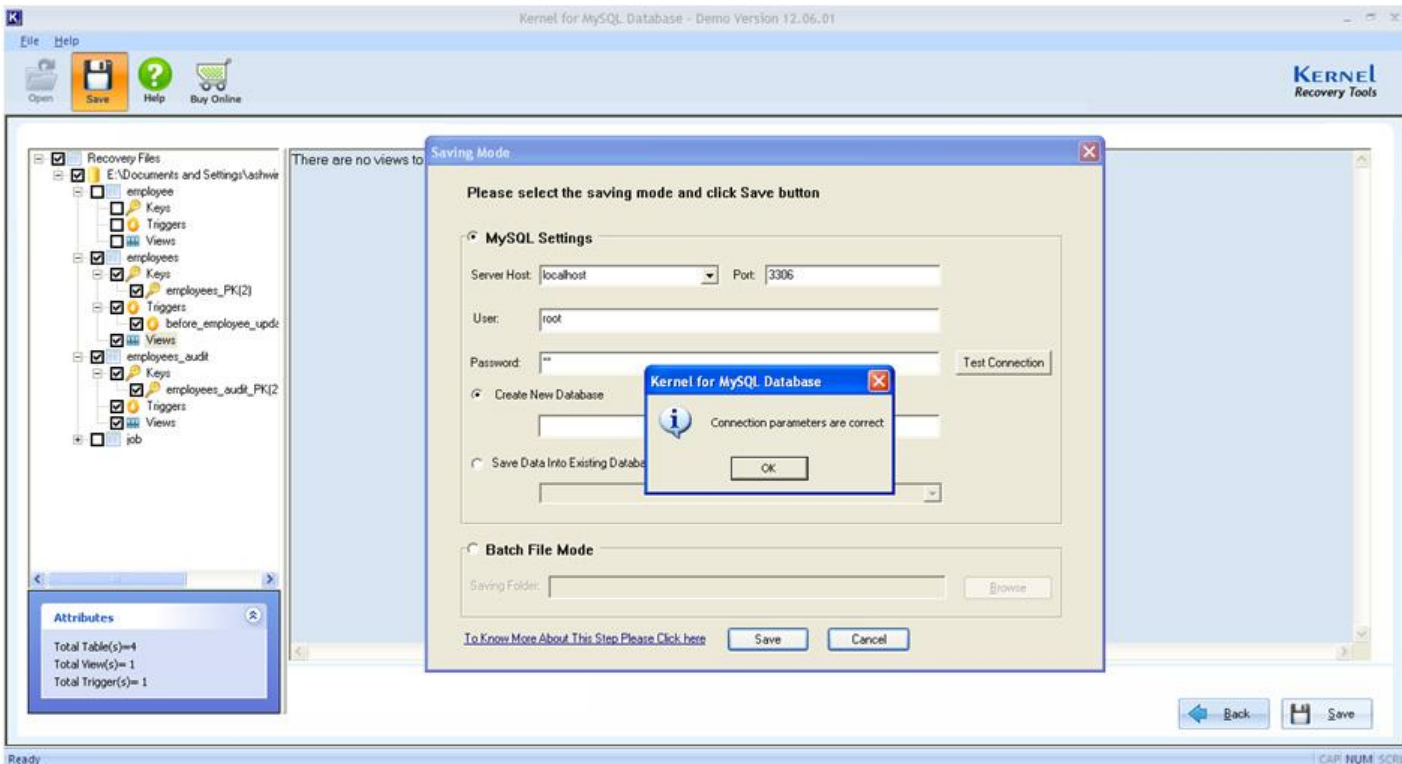
Figure 4.8: Testing the connection parameters

Step 4: Choose if you want to create a new database or save the recovered data to an existing database.

- **Create New Database:** You need to specify a name and this database will be created in the current root folder of the server.

- **Save Data into Existing Database:** You need to select database from the dropdown list of existing databases.

Let's select **Create New Database** and click **Save.**

Figure 4.9: Creating New Database

A window will appear as the recovered database gets saved to the selected location.

Figure 4.10: Saving the recovered database objects

When the saving process gets completed **Process Completed** window will appear that will display summary of the Objects saved.

Error Log: At the bottom left corner of this window you will see an **Error Log** link. Clicking on this will display error logs that have been generated in the saving process; these are stored as a temporary file. When you close the application, this file will be deleted. In order to avail this Log for future reference, you need to save the Log file at the desired location after opening it.
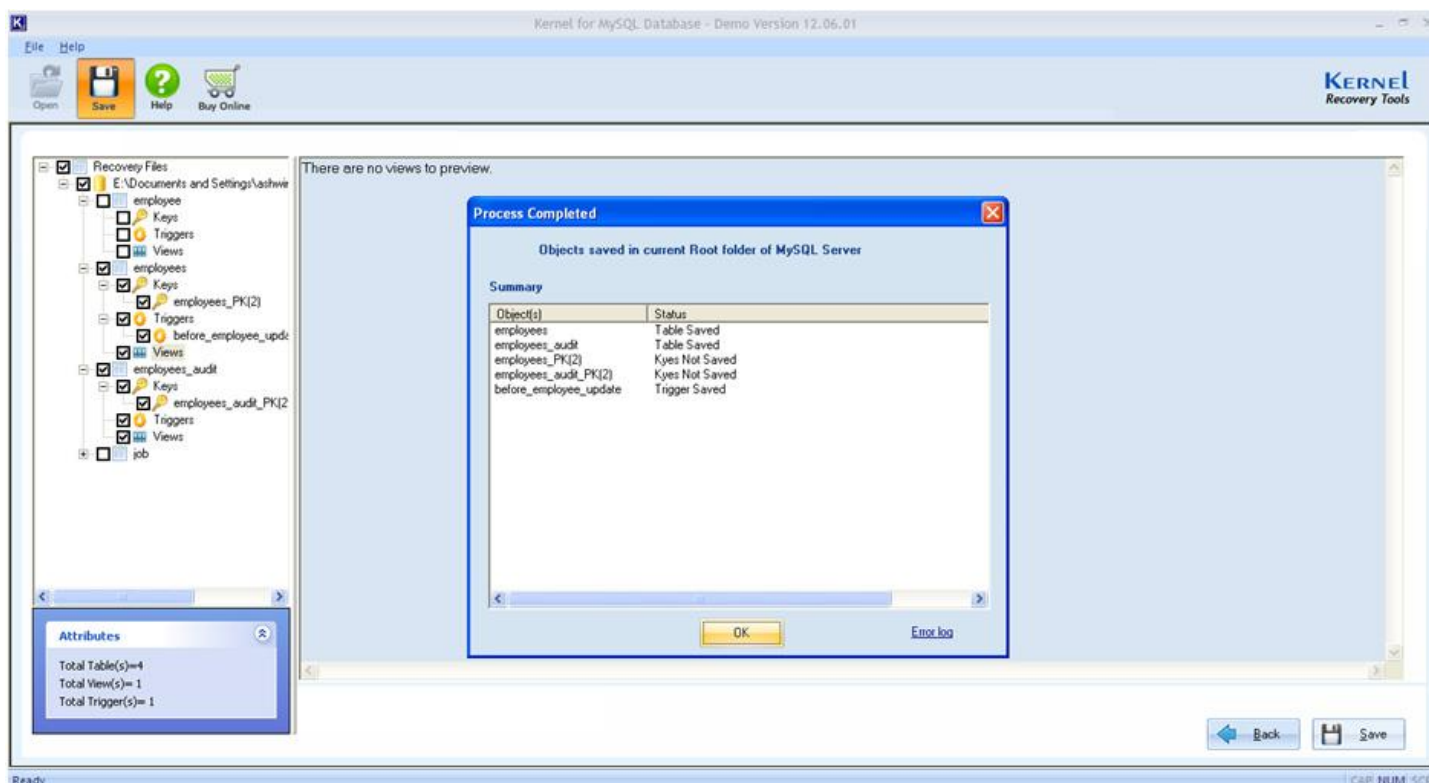
Figure 4.11: Displaying summary of objects saved

Finally, click **OK** on **Process Completed** Window to complete the process.

> ✍ **Note**: Free Trial version of the software allows seeing preview of the recovered data but it has some limitations. It does not allow saving the retrieved data. Besides, "Test Connection" and "Save Data into Existing Database" options will be disabled on the Saving Mode dialog box.

Batch File Mode

Step 1: Select the Table(s) and the Property(s) that you want to save by marking the checkboxes against them.

> ✍ **Note**: The Objects (Keys, Triggers, and Views) cannot be selected until you have selected the Table to which they belong.

**Step 2:** Click on the **Save** button present at the bottom right corner of the screen or under **File** menu.

Saving Mode dialog box opens up.

Step 3: Select the **Batch File Mode** radio button. Click on **Browse** to select the Saving Folder.
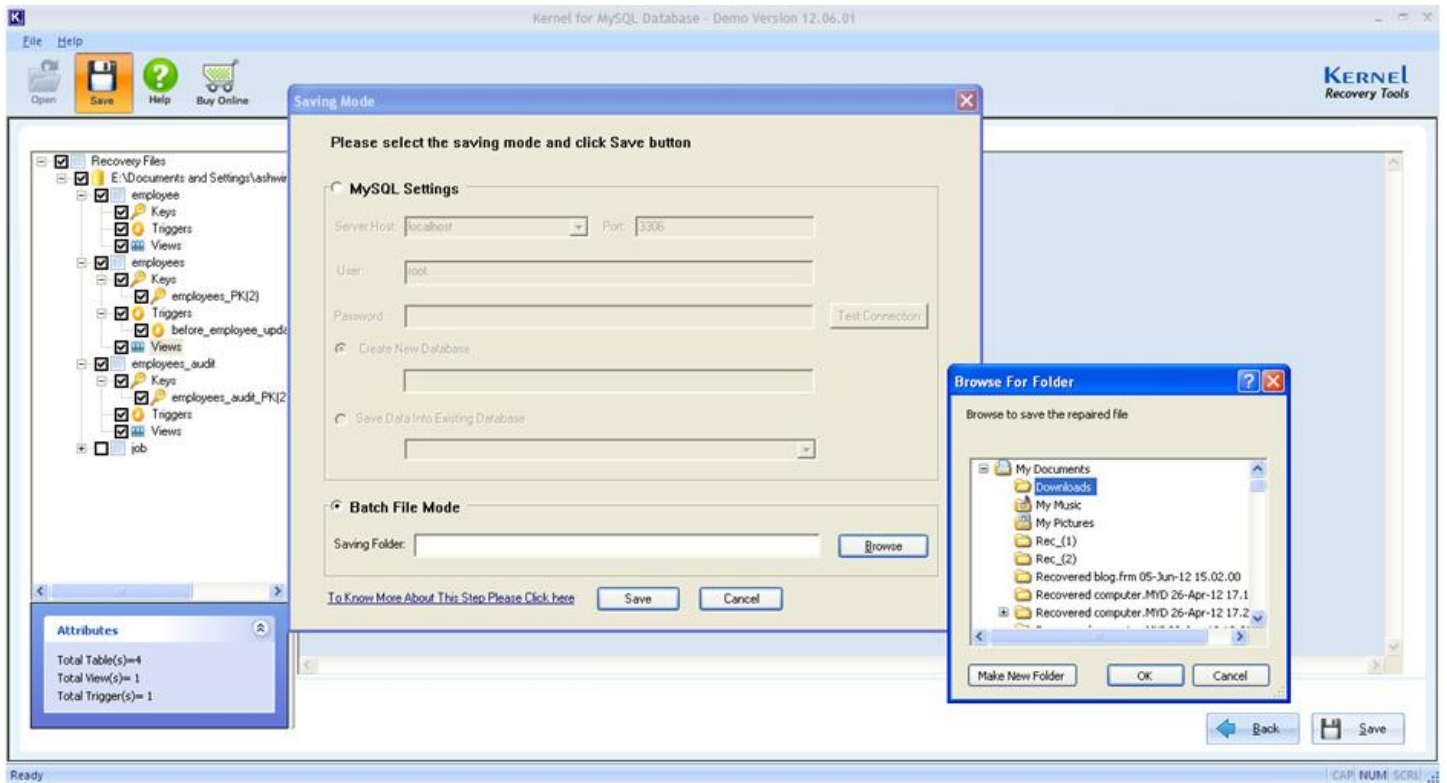
Figure 4.12: Selecting Batch File Mode
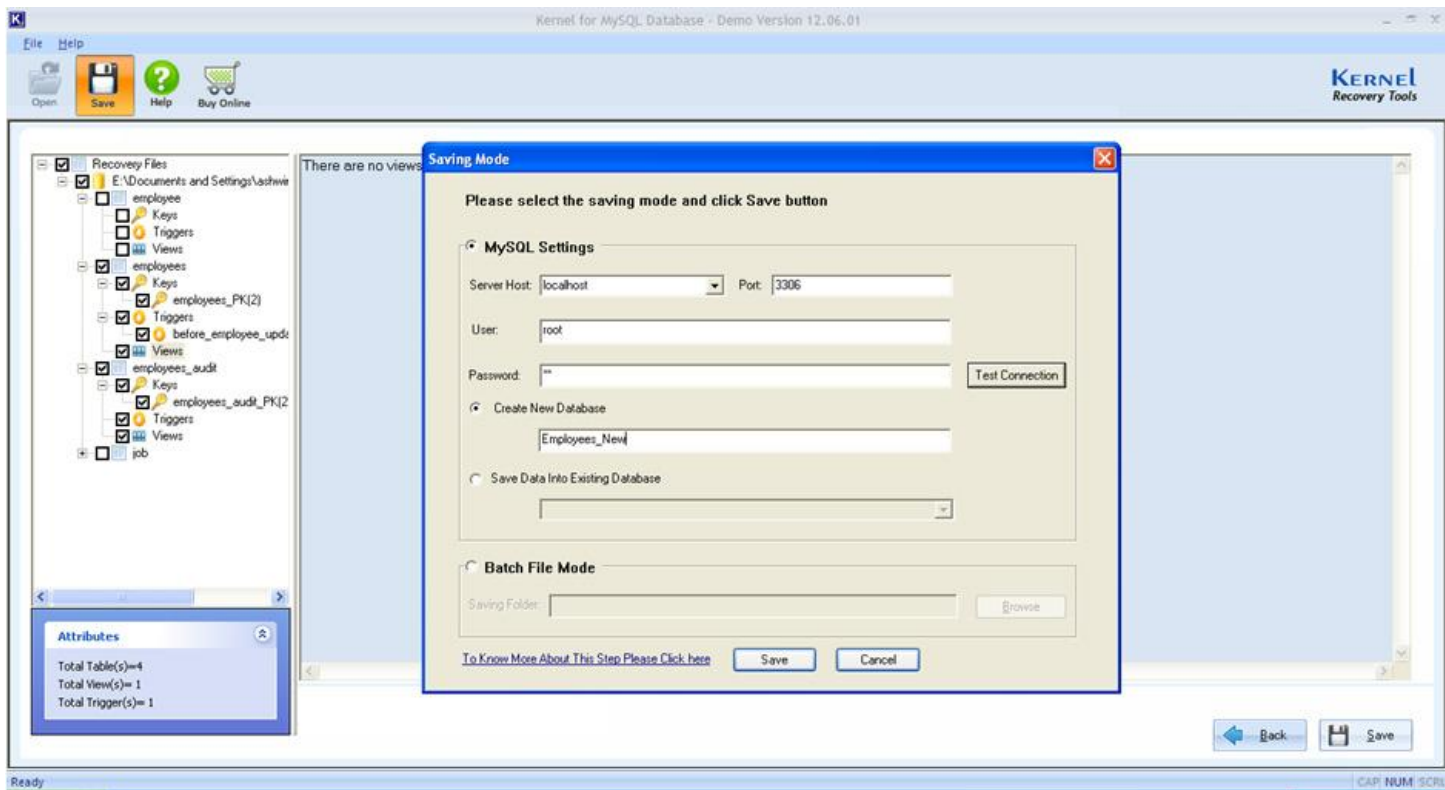
Step 4: Click on **Save** to proceed.
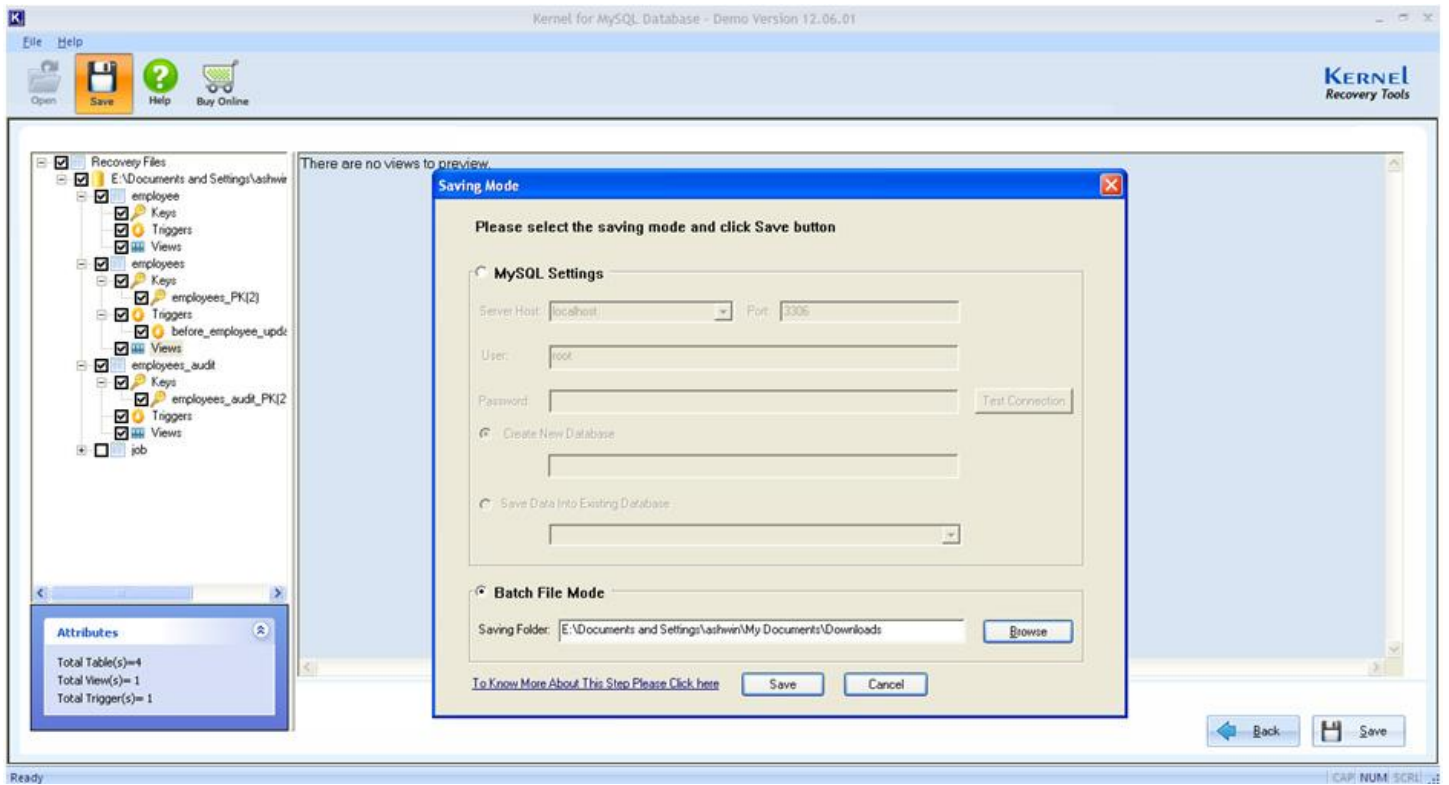
Figure 4.13: Batch File Mode

A window will appear as the recovered database gets saved to the selected location.

Figure 4.14: Saving the recovered database objects in Batch File Mode

When the saving process gets completed, **Process Completed** window will appear with the Summary of all the Objects and their status.

Saved File Path will also be displayed on top of the **Process completed** window.
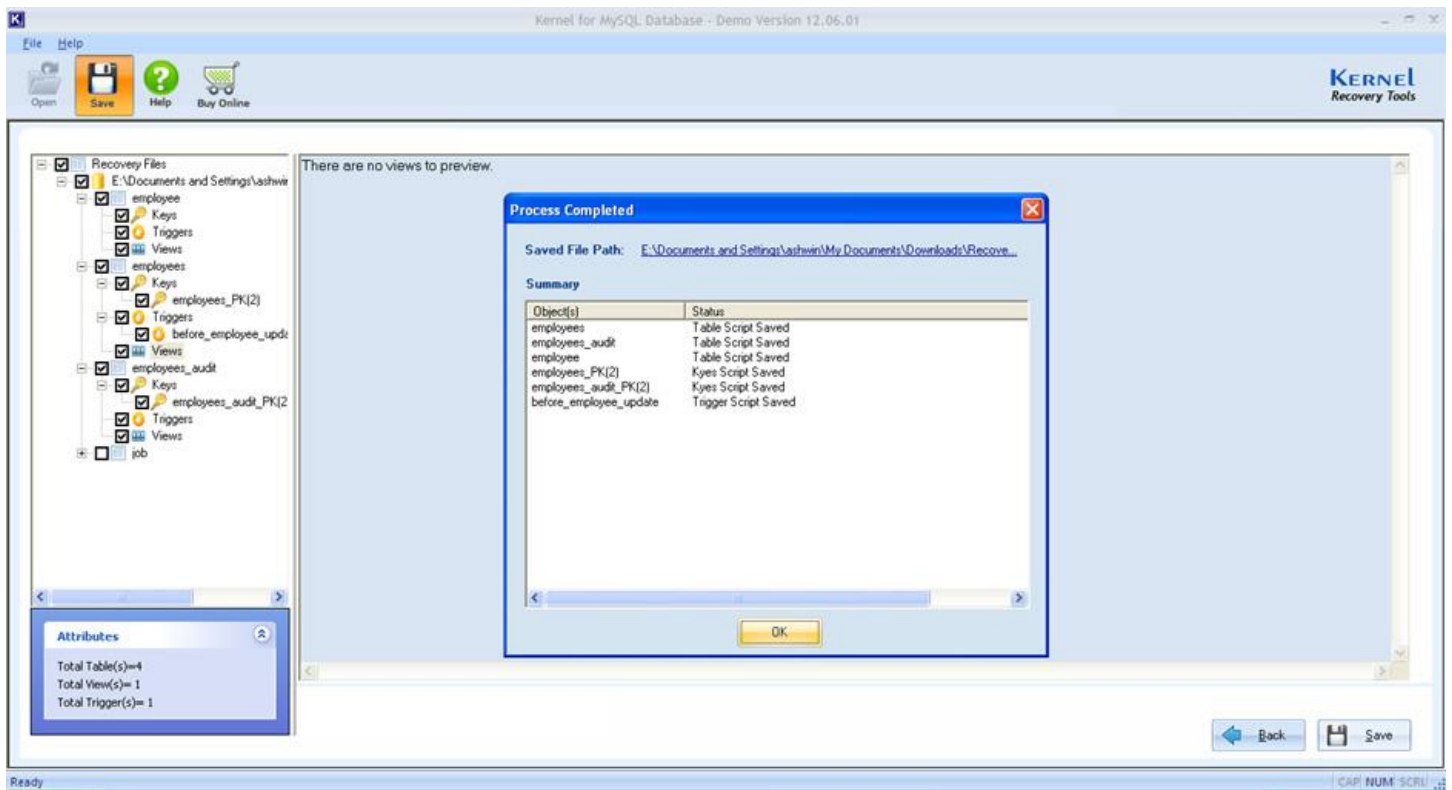
Figure 4.15: Displaying summary of objects saved in Batch File Mode

Step 5: Finally, Click **OK** to complete the process.

Restoring Batch File to MySQL Server

Batch file mode saves the recovered data in Batch file format. Follow the following steps in order to restore the Batch file to the MySQL server:

Step 1: Double-click on the **generate.bat** file that is automatically created with the Batch file.
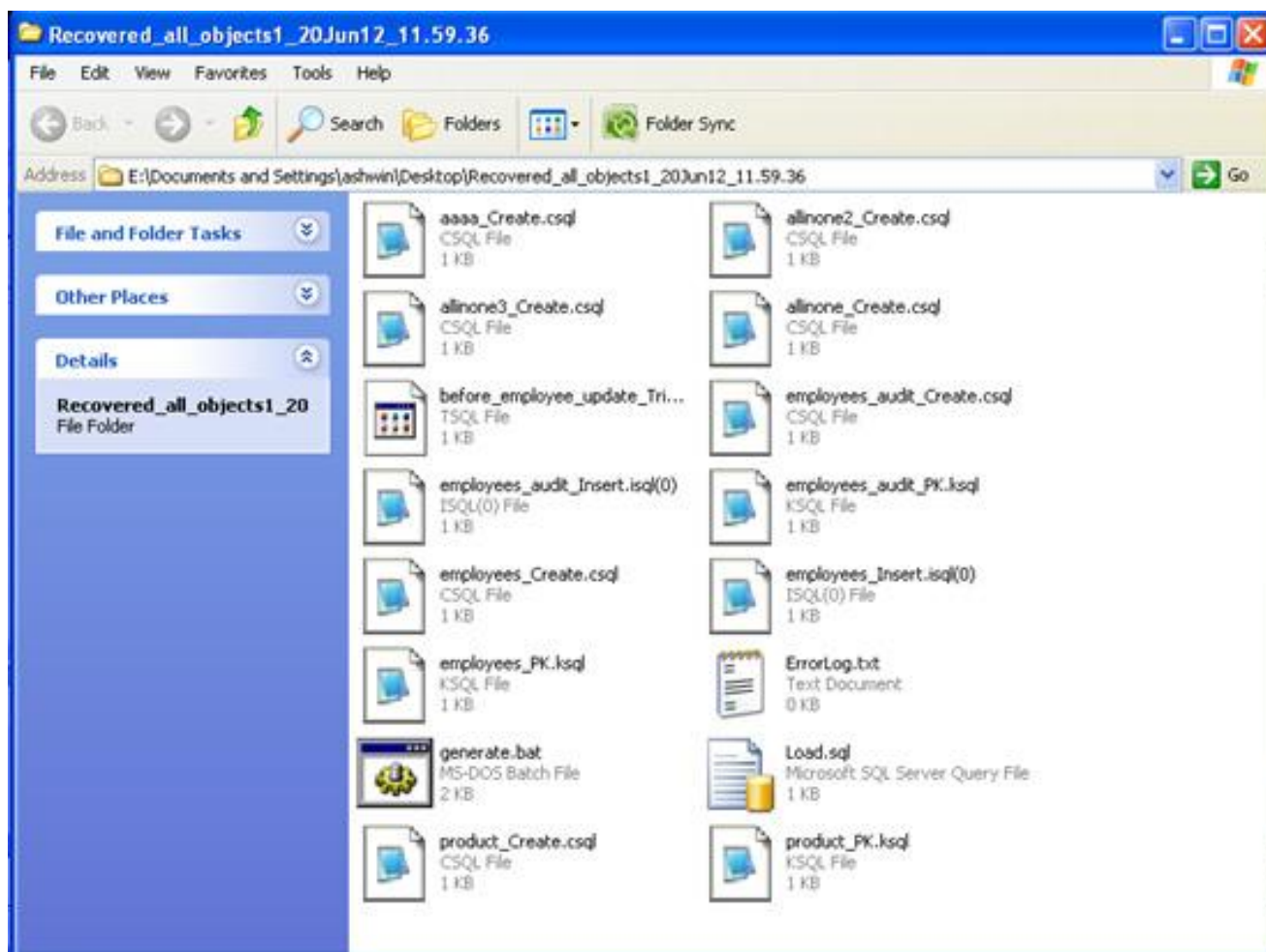
Figure 4.16: Restoring Batch File to MySQL Server

Step 2: Specify the following details in the **Command Prompt** window: Database name, Server name, User name, Password, and click Enter.

This will restore the Batch file to the specified MySQL server.
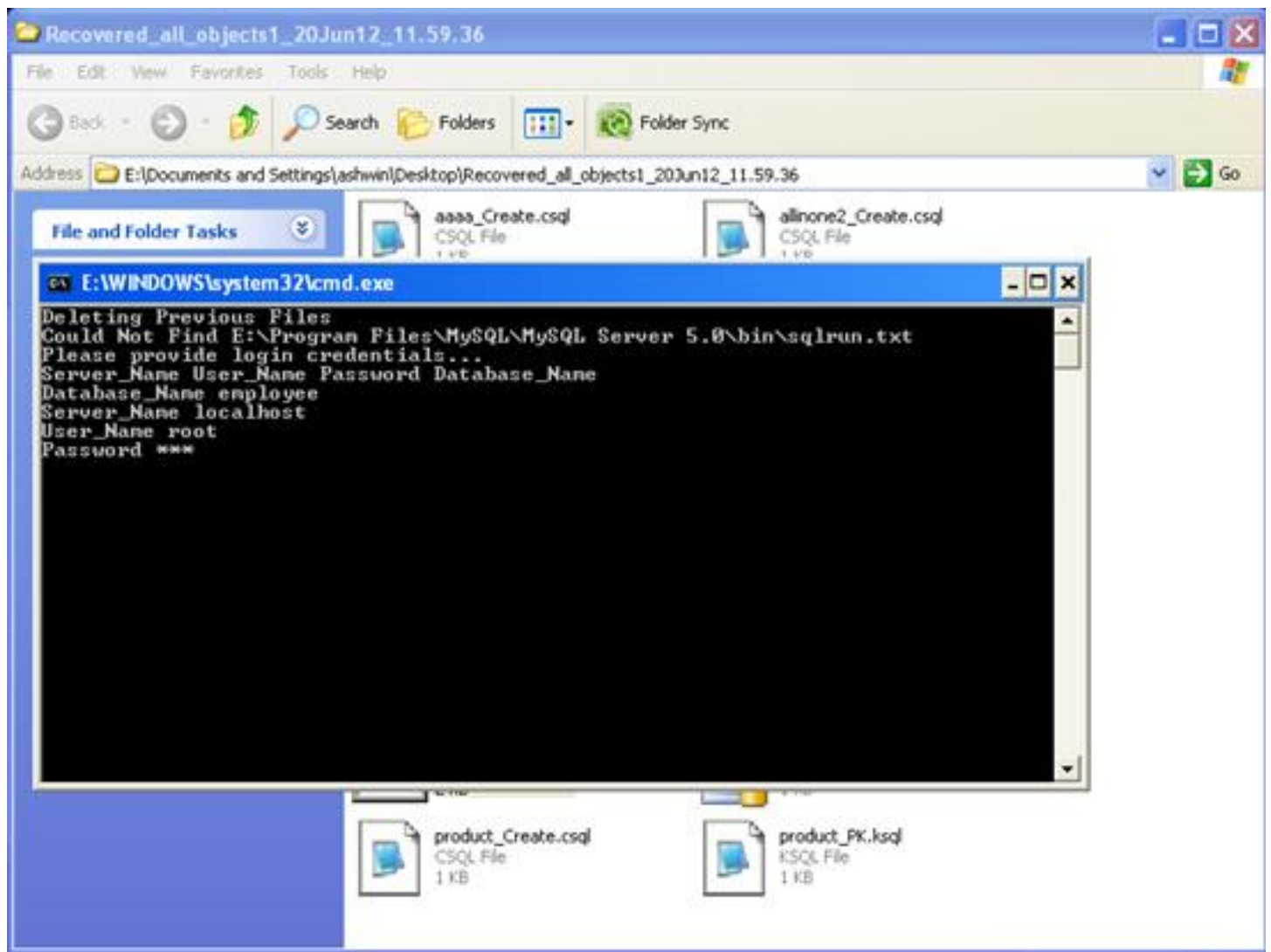
Figure 4.17: Specifying the details in Command Prompt Window

5. Download Purchase and Register

5.1 Free Trial Download

The trial version of Kernel for MySQL Database is also available; using which you can evaluate and analyze the capabilities of the software. Free version of Kernel for MySQL Database works similar to the full version. However, the free trial version of Kernel for MySQL Database has some limitations which are as follows:

- You cannot save the recovered data.
- You cannot copy script of the recovered Objects.
- "**Test Connection**" and "**Save Data into Existing Database**" options will be disabled on the Saving Mode dialog box.

To overcome the above limitations, purchase the full version of Kernel for MySQL Database.

Free version of Kernel for MySQL Database can be downloaded from our website:

 http://www.nucleustechnologies.com/download-mysql-repair.html

5.2 Purchase & Register

Purchase the Full version of Kernel for MySQL Database software for saving the recovered MySQL Database accurately. The FREE trial version of Kernel for MySQL Database software allows you to preview the recovered MySQL Database but has some limitations.

You can purchase the Full version of Kernel for MySQL Database software through our website:

http://www.nucleustechnologies.com/buy-mysql-repair.html   (encrypted and secure site).

Payment and Delivery

Purchase the Kernel for MySQL Database software from our authorized resellers, which provide number of payment options for your ease - PayPal, FAX, Credit Card, E-cheque, Pay Order, etc.

After making the purchase transaction with our resellers, an email is sent consisting of activation details and download link of the Full version of Kernel for MySQL Database comprising of the activation code. This email is sent to the email address, which you have used while processing the purchase transaction with our resellers.

We suggest you not to use false e-mail address while making the purchase transaction.

For any other details related to purchase process, software activation process, email us at: **sales@nucleustechnologies.com**

5.3 Support

Lepide Software Pvt. Ltd. provides round-the-clock technical support for its product range to solve technical and software queries. The software comes with an embedded help manual that can be accessed by clicking Help in the software main window. You can also press the F1 key on the keyboard of your computer to access the embedded help manual of Kernel for MySQL Database.

You can access the online help for Kernel for MySQL Database at: **http://www.nucleustechnologies.com/Online-Helps.html**

We also have live support wherein you can chat with our software experts at: **http://www.nucleustechnologies.com/Support.html**

Telephone Support:

+91-9818725861

1-866-348-7872 (Toll Free for USA/CANADA)

Email Support:

sales@nucleustechnologies.com for Sales

support@nucleustechnologies.com for Support

contact@nucleustechnologies.com for General Queries

6. Troubleshooting

6.1 Common Issues

What are the limitations in trial version of Kernel for MySQL Database?

The trial version of Kernel for MySQL Database works almost same as that of the full version of the software but has some limitations which are as follows:

- You cannot save the recovered data.
- You cannot copy script of the recovered Objects.
- "Test Connection" and "Save Data into Existing Database" options will be disabled on the Saving Mode dialog box

6.2 Frequently Asked Questions

1. **How to purchase Kernel for MySQL Database?**

One can buy Kernel for MySQL Database using the website:

http://www.nucleustechnologies.com/buy-mysql-repair.html

2. **What are the two saving modes in Kernel for MySQL Database?**

The two saving modes in Kernel for MySQL Database are MySQL Settings Mode, and Batch File Mode.

3. **What are the supported Windows OS Platforms for Kernel for MySQL Database software?**

The supported Windows OS Platforms for Kernel for MySQL Database software are: Windows 8, Windows 7, Windows Vista, Windows XP, Windows 2008 Server, Windows 2003 Server, and Windows 2000 Server.

4. **What are the supported MySQL server versions for Kernel for MySQL Database software?**

The supported MySQL server versions for Kernel for MySQL Database software are: MySQL 6.x, 5.x, 4.x and 3.x

5. **Give the link for downloading the free trial version of Kernel for MySQL Database software.**

The free trial version of Kernel for MySQL Database software can be downloaded using the link:

http://www.nucleustechnologies.com/download-mysql-repair.html

7. Legal Notices

This section comprises the legal specification about Kernel for MySQL Database and the company Lepide Software Private Limited.

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KERNEL
for MySQL Database

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General

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