

Insert dummy data in the database

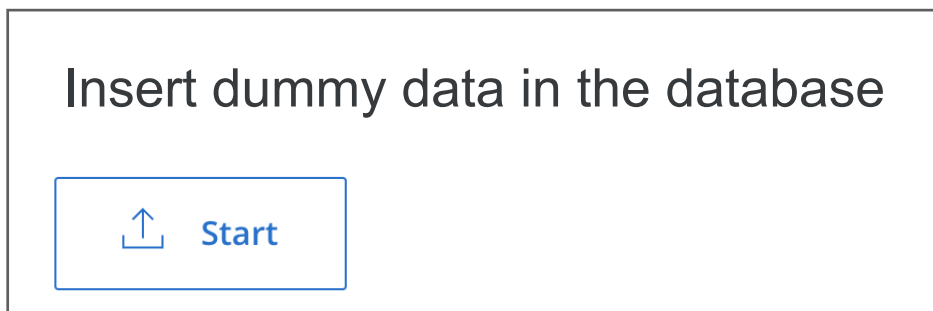
Welcome to this Lab activity

In this lab activity you will be exploring how to add some data to your ‘myBookshop’ database. For the purpose of this lab you will be working with the Terminal panel inside Visual Studio Code.

Start the Lab environment application

It is simple to launch a lab exercise. You only need to click on the button ‘Start’ below the activity title to enter a lab environment.

Let’s explore this lab activity: go ahead and click on the “Start” button!



Task 1: Accessing the MySQL interactive shell

The folder structure has already been partially constructed for you and organised into different topics. For the purpose of this lab, you are not required to make any changes to the folder structure. You can see a folder called ‘topic5’ inside this lab environment; it is only there as a reference for you and you are not required to add any content to it. Let’s get started!

In order to access your mysql interactive shell use the Visual Studio Code Terminal and run the following command:

- **mysql:** type this command and press *Enter*. This command will log you into mysql shell as the root(default) user.

If you have successfully followed all the above steps you should now be logged in inside mysql and see the following result on the Terminal:

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  SQL CONSOLE

coder@a52979522cdd:~/project$ mysql
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.22 MySQL Community Server - GPL

Copyright (c) 2000, 2020, Oracle and/or its affiliates. All rights reserved.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> █
```

Task 2: Adding dummy data to your database

In your previous lab activity you created a new database called “myBookshop” and added a table to it called “books”. The table at the moment does not contain any data but only the data structure for each entry. Let’s see how you can add data to the “books” table.

First of all let’s check that your “myBookshop” database is still present in the virtual server list.

Use the Visual Studio Code Terminal and run the following command:

- **SHOW DATABASES;** type this command and press *Enter*. This command will show you all the databases that already exist in your virtual server.

As you can see the “myBookshop” database is still part of the list and ready for you to use. Let’s select the database so that you can add some data to it.

```
mysql> SHOW DATABASES;
+-----+
| Database |
+-----+
| information_schema |
| myBookshop |
| mysql |
| performance_schema |
| sys |
+-----+
5 rows in set (0.00 sec)
```

Use the Visual Studio Code Terminal and run the following command:

- **USE myBookshop;** type this command and press *Enter*. This command will switch and select the “myBookshop” database.

If you have successfully selected the database you will receive the following confirmation:

```
mysql> USE myBookshop;
Database changed
mysql> █
```

Now that you have correctly selected your “myBookshop” database, go ahead and add some data to your table “books” by running the following command on the Terminal:

- **INSERT INTO TableName (name, price)VALUES('database book', 40.25),('Node.js book', 25.00), ('Express book', 31.99);** replace the TableName value with the name of your table, type this command and press *Enter*. This command will insert two new books in your database.

If you have successfully run the above command you will receive the following confirmation message:

```
mysql> INSERT INTO books (name, price)VALUES('database book', 40.25),('Node.js book', 25.00), ('Express book', 31.99);
Query OK, 3 rows affected (0.02 sec)
Records: 3  Duplicates: 0  Warnings: 0
```

You have successfully added three books you your “myBookshop” database under the “books” table.

Task 4: Exit mysql shell

Exiting the mysql shell is very straight forward. In your Terminal panel type the following command:

- **exit:** type this command and press *Enter*. This command will log you out from your mysql virtual server.

If you have successfully exited the database you will get the following confirmation:

```
mysql> exit
Bye
root@7fbe1633ac7c:/home/coder/project# █
```

End of Section

Congratulations for completing this section. As long as you have saved your work, your files will remain when you close this lab activity so do not worry about losing your data. You have successfully logged in inside your mysql shell and managed to add data to your “books” table. In the next lab activity you will explore how to query the database, view and retrieve this data.