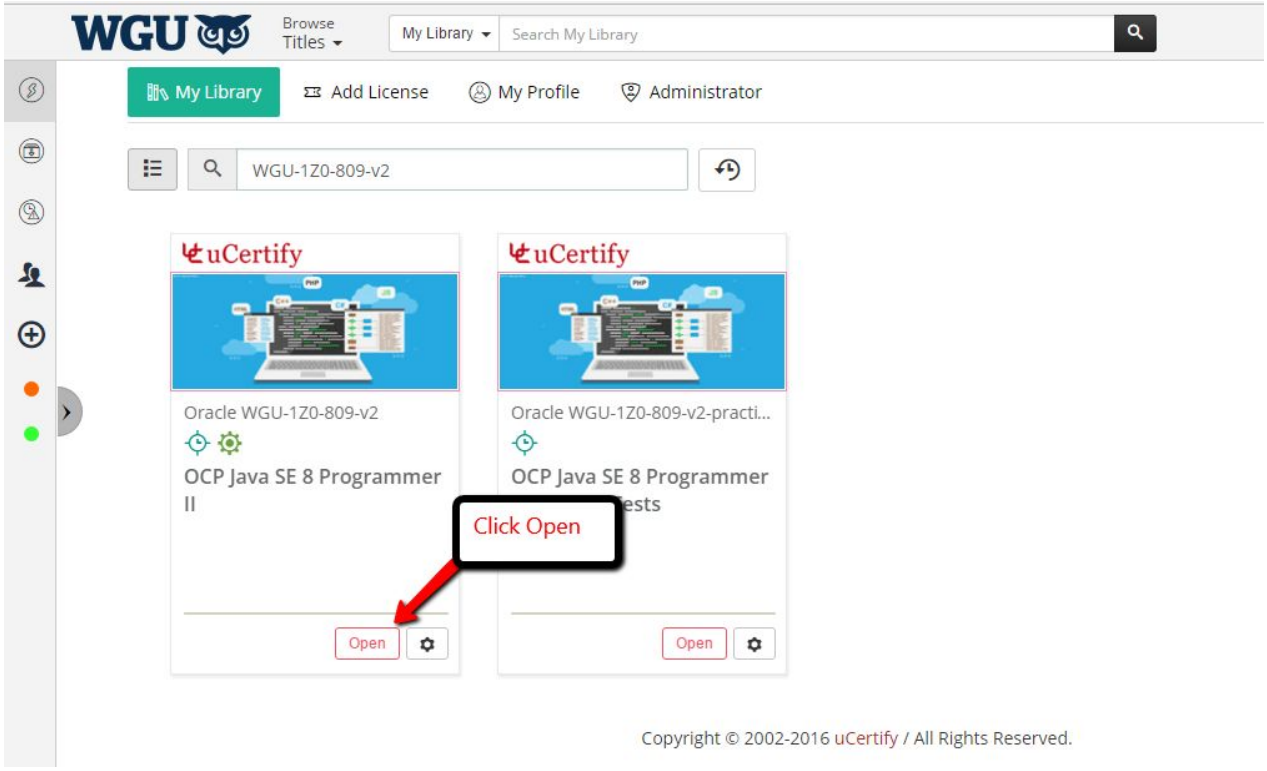
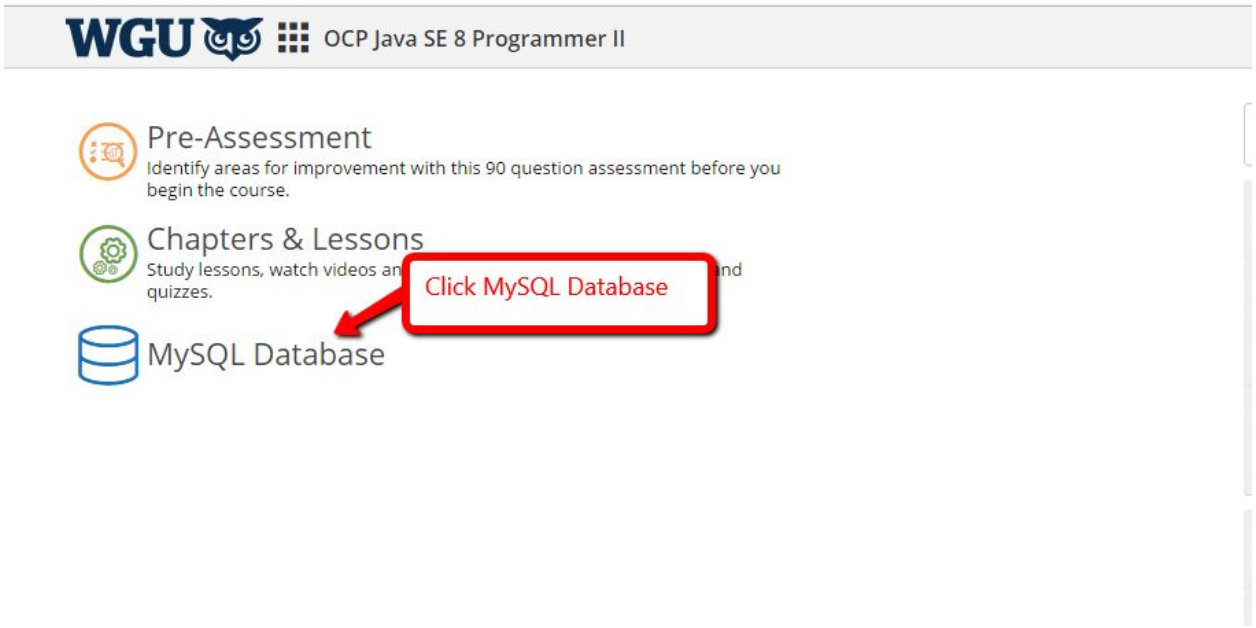
- Login to your uCertify account and go to **My Library**.
- Search the course and click **Open** to enter in the course.



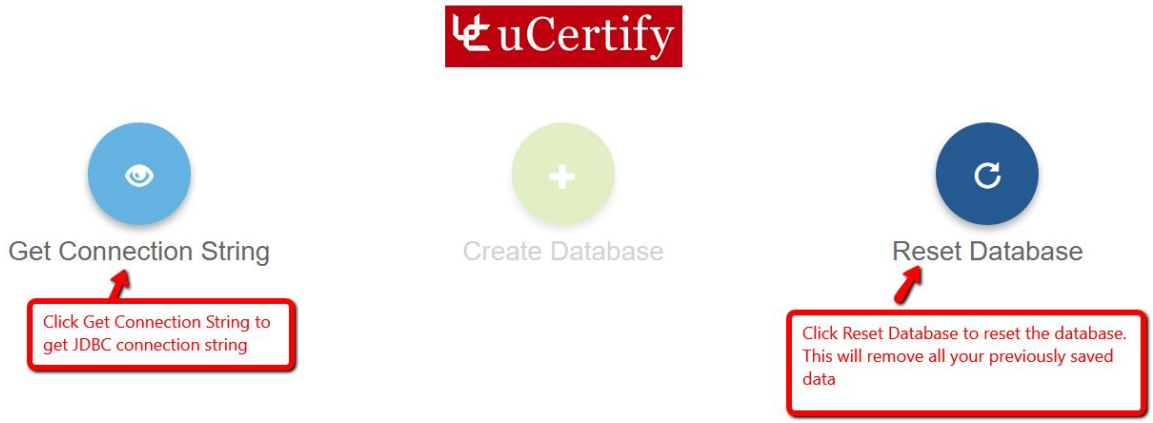
- Click **MySQL Database** to navigate the page.



- You will be redirected to this page.

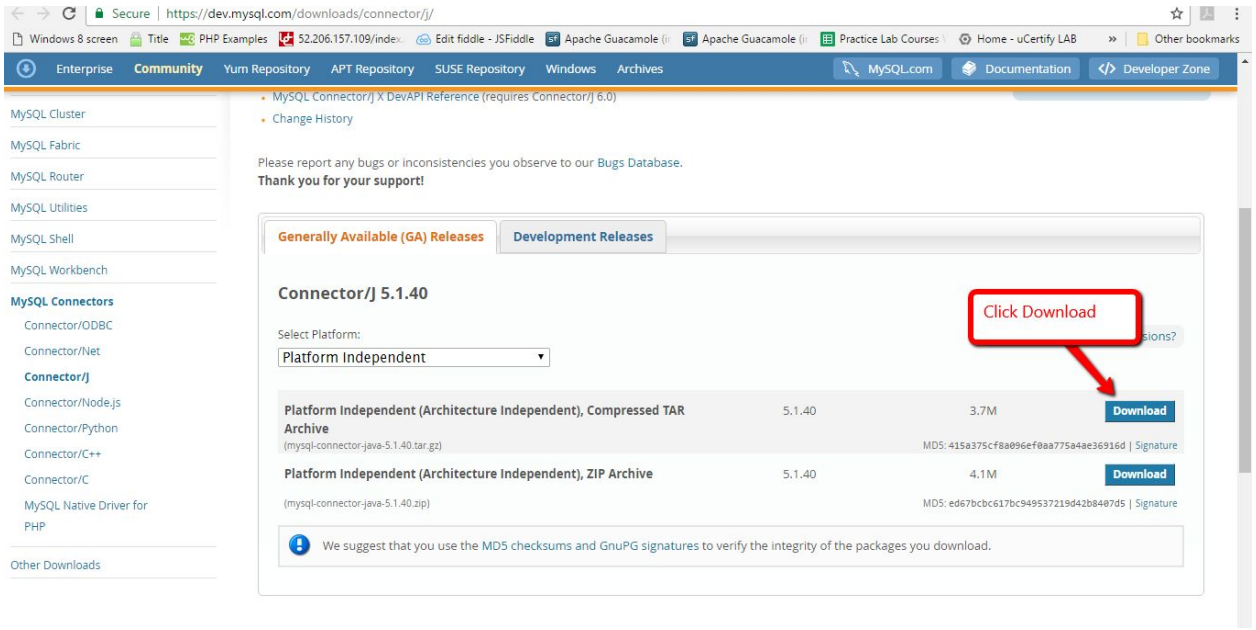
- Click **Create Database** to create a new database and generate connection string.

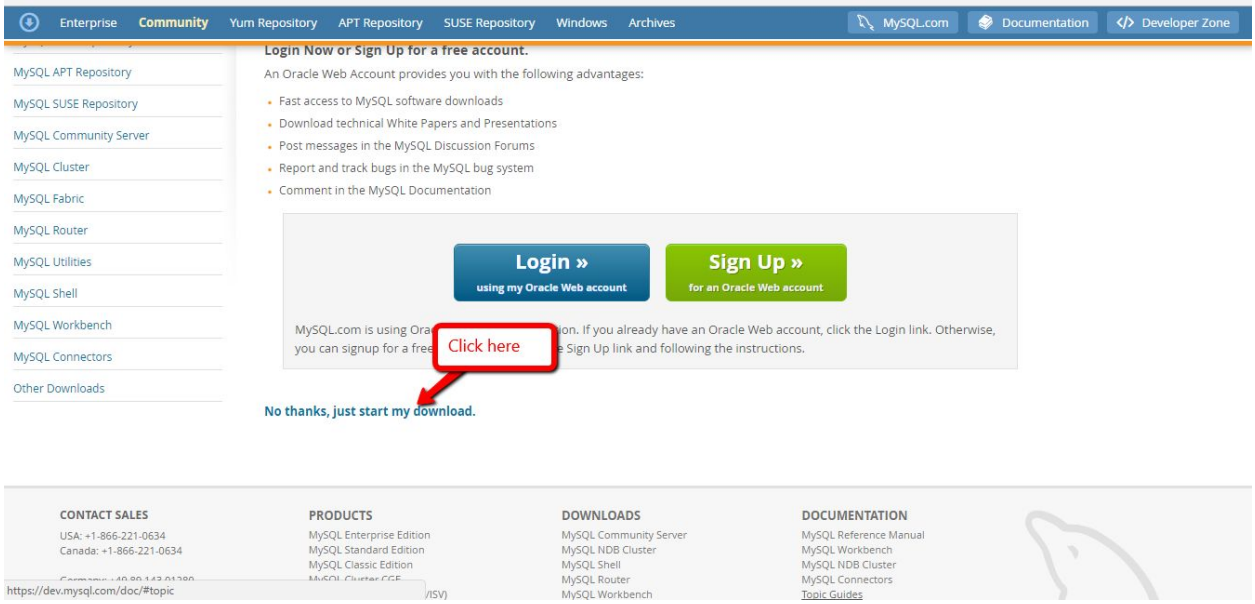
- Click **Reset Database** to reset your database and get the connection string.
- If the Database already exists, you can generate the connection string by clicking **Get Connection String**.



To test the Java Connection:

1. Go to http://dev.mysql.com/downloads/connector/j and download the connector.





2. Extract and copy **mysql-connector-java-5.1.40-bin** to **C:\java** folder. (Create a folder named java, if does not exists.)
3. Create a file named **TestConnection.java** inside **C:\Java** folder and paste the following content in that:

```
import java.sql.DriverManager;
import java.sql.Connection;
import java.sql.SQLException;

public class TestConnection {

  public static void main(String[] argv) throws ClassNotFoundException {
      Connection conn = null;

      String driver   = "com.mysql.jdbc.Driver";
      String db       = "xxxxxx";
      String url      = "jdbc:mysql://xx.xxx.xxx.xxx/" + db;
      String user     = "xxxxxx";
      String pass     = "xxxxxx";

      try {
         Class.forName(driver);
         conn = DriverManager.getConnection(url,user,pass);
         System.out.println("Connected to database : " + db);
```

```
        } catch (SQLException e) {
            System.out.println("SQLException: "+e.getMessage());
            System.out.println("SQLState: "+e.getSQLState());
            System.out.println("VendorError: "+e.getErrorCode());
        }

    }
}
```

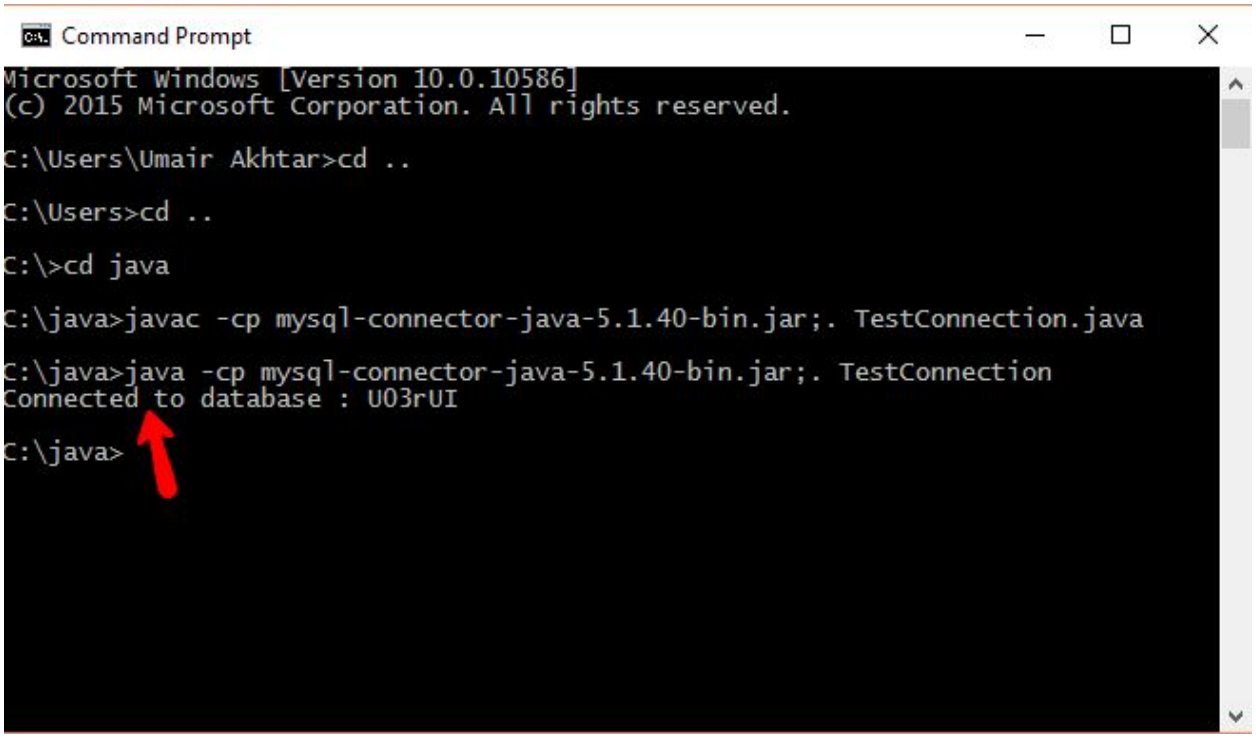
Note- Replace string url, string db, string username and string password with the values in the connection string generated earlier.

4. Open **Command Prompt** and go to **C:\java**.
Make sure java environment variables are set in your system.

5. Run the following Java commands:

javac -cp mysql-connector-java-5.1.40-bin.jar;. TestConnection.java

java -cp mysql-connector-java-5.1.40-bin.jar;. TestConnection



After the execution of second command, you will get the result showing the connection is established with the database.