

WEEK 3 ASSESSMENT

Modern Application Development (Java Spring Boot)

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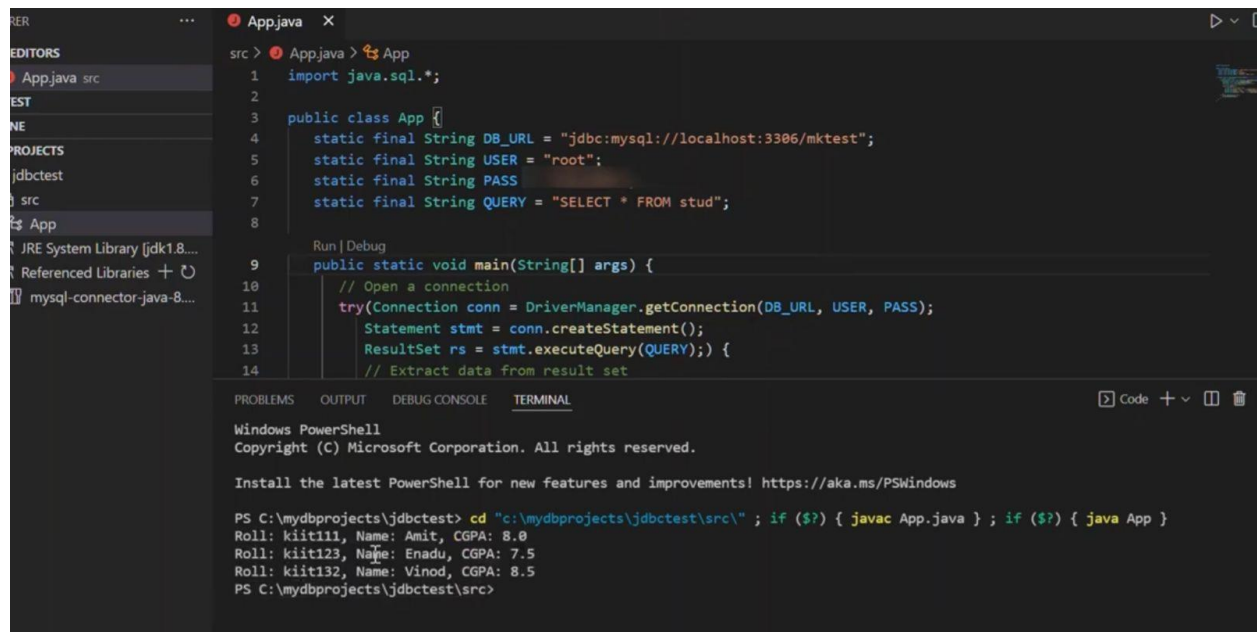
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CODE:

```
import java.sql.*;
public class hello {
    static final String DB_URL = "jdbc:mysql://localhost:3306/mydb";
    static final String USER = "root";
    static final String PASS = "VIVEKlade@1487";
    static final String QUERY = "SELECT * FROM stud";
    public static void main (String [] args) {

        try (Connection conn = DriverManager.getConnection(DB_URL, USER, PASS);
            Statement stmt = conn.createStatement();
            ResultSet rs = stmt.executeQuery (QUERY) ;) {
            while (rs.next()) {
                System.out.print("Roll: " + rs.getString("roll"));
                System.out.print(", Name: " + rs.getString ("name"));
                System.out.println (" , CGPA: " +rs.getFloat("cgpa"));
            }
        } catch (SQLException e) {
            e.printStackTrace ();
        }
    }
}
```

Output:



The screenshot shows an IDE with a project named 'jdbctest'. The source file 'App.java' is open, showing the following code:

```
src > App.java > App
1  import java.sql.*;
2
3  public class App {
4      static final String DB_URL = "jdbc:mysql://localhost:3306/mktest";
5      static final String USER = "root";
6      static final String PASS
7      static final String QUERY = "SELECT * FROM stud";
8
9      Run | Debug
10     public static void main(String[] args) {
11         // Open a connection
12         try(Connection conn = DriverManager.getConnection(DB_URL, USER, PASS);
13             Statement stmt = conn.createStatement();
14             ResultSet rs = stmt.executeQuery(QUERY);) {
15             // Extract data from result set
```

The terminal output shows the execution of the Java program:

```
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\mydbprojects\jdbctest> cd "c:\mydbprojects\jdbctest\src" ; if ($?) { javac App.java } ; if ($?) { java App }
Roll: kiit111, Name: Amit, CGPA: 8.0
Roll: kiit123, Name: Enadu, CGPA: 7.5
Roll: kiit132, Name: Vinod, CGPA: 8.5
PS C:\mydbprojects\jdbctest\src>
```