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REG NO – 20BCE0952

VIT VELLORE

**SMARTBRIDGE JAVA SPRING BOOT EXTERNSHIP**

**Assignment – 3**

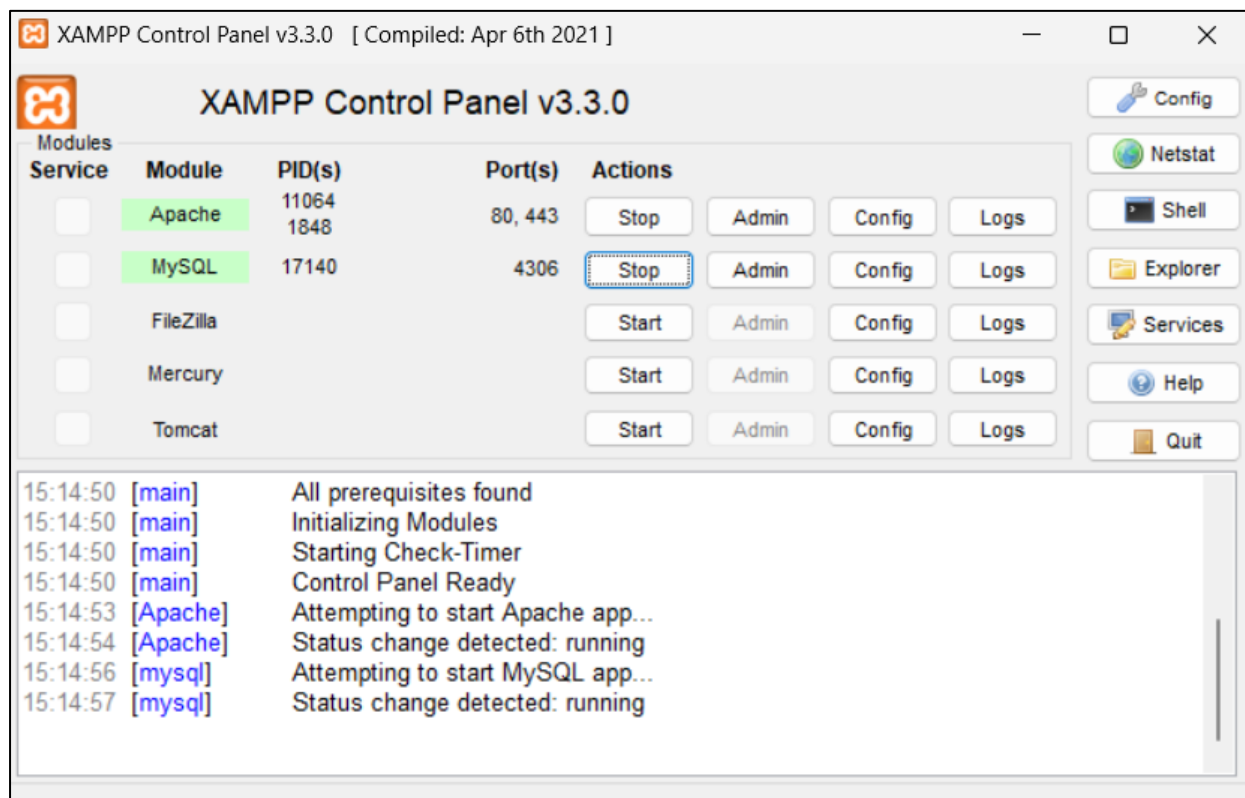
**(Implement java jdbc using java)**

# SOLUTIONS:

## JDBC CONNECTIVITY:

```
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.Statement;

public class JDBC {
    public static void main(String[] args) {
        try {
            Class.forName("com.mysql.cj.jdbc.Driver");
            Connection connection = DriverManager.getConnection(
                "jdbc:mysql://localhost:4306/jdbcdemoo", "root", ""
            );
            Statement statement = connection.createStatement();
            ResultSet resultSet = statement.executeQuery("select * from
students");
            while (resultSet.next()) {
                System.out.println(resultSet.getInt(1) + " " +
resultSet.getString(2) + " " + resultSet.getString(3));
            }
            connection.close();
        } catch (Exception e) {
            System.out.println(e);
        }
    }
}
```



## Table Information:

Browse

Structure

SQL

Search

Insert

Export

Import

Privileges

Open

Table structure

Relation view

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	id	int(20)			No	None			<div><div></div>Change</div> <div><div></div>Drop</div> <div><div></div>More</div>
<input type="checkbox"/>	2	name	varchar(40)	utf8mb4_general_ci		No	None			<div><div></div>Change</div> <div><div></div>Drop</div> <div><div></div>More</div>
<input type="checkbox"/>	3	age	int(3)			No	None			<div><div></div>Change</div> <div><div></div>Drop</div> <div><div></div>More</div>

☐ Check all

With selected:

Browse

Change

Drop

Primary


Unique

Index

## TABLE AFTER INSERTING VALUES:

<pre>SELECT * FROM `students`</pre>		
<input type="checkbox"/> Profiling [ <a href="#">Edit inline</a> ] [ <a href="#">Edit</a> ] [ <a href="#">Explain SQL</a> ] [ <a href="#">Create PHP code</a> ] [ <a href="#">Refresh</a> ]		
<div><input type="checkbox"/> Show all   Number of rows: <input type="text" value="25"/>  Filter rows: <input type="text" value="Search this table"/></div>		
<div>Extra options</div>		
id	name	age
1	Arjun	20
2	Rohit	20
3	Somya	27
4	Aryan	17

## QUERIES WE CAN RUN:

Run SQL query/queries on table `jdbcdemoo.students`: 

```
1 INSERT INTO `students`(`id`, `name`, `age`) VALUES ('[4]', '[Rajat]', '[27]')
```

SELECT \*   SELECT   INSERT   UPDATE   DELETE   Clear   Format   Get auto-saved query

## OUTPUT:

Run: JDBC x

```
"C:\Program Files\Java\jdk-19\bin\java.exe" "-javaagent:C:\Program Files\JetBrains"
1 Arjun 20
2 Rohit 20
3 Somya 27
4 Aryan 17
```