NAME – Somya Rathi

REG NO – 20BCE2323

VIT VELLORE

SMARTBRIDGE JAVA SPRING BOOT EXTERNSHIP

Assignment – 3

(Implementing java jdbc)

SOLUTIONS:

JDBC CONNECTIVITY:

```java
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);
        }}}
```
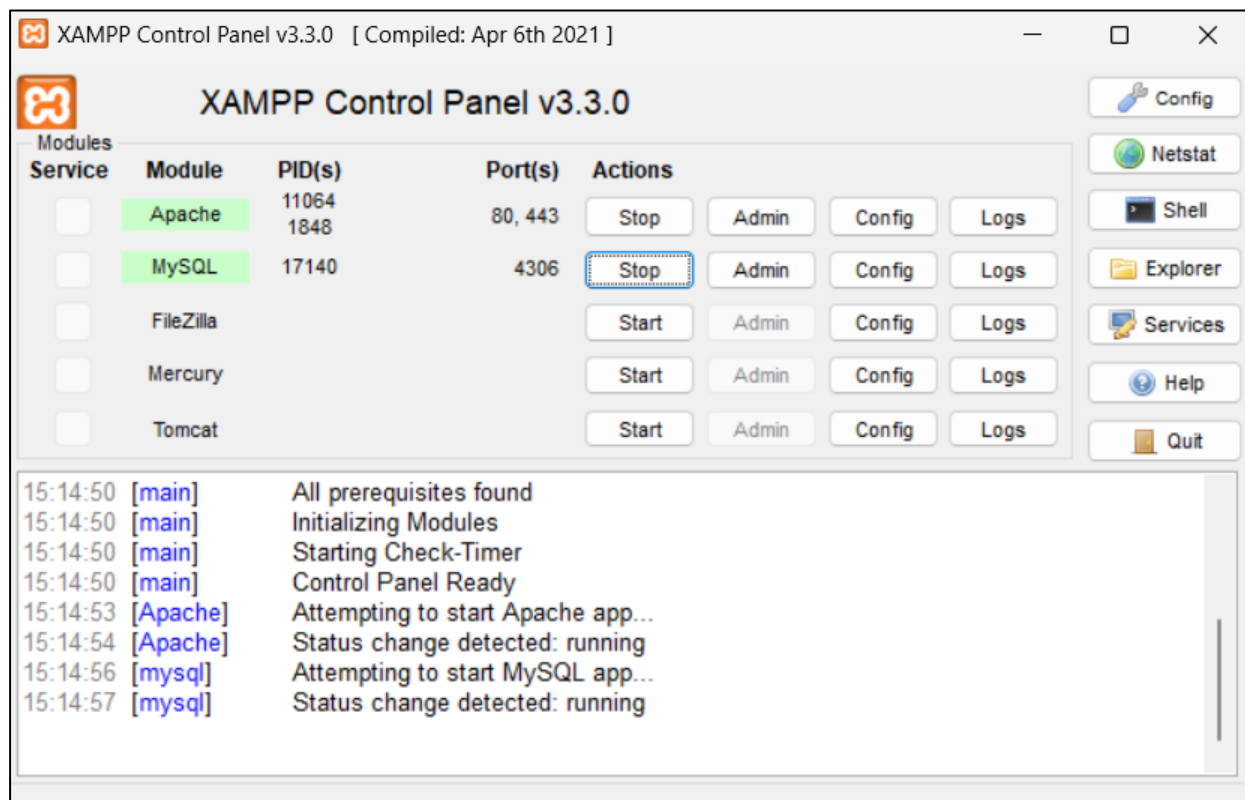
XAMPP Control Panel v3.3.0   [Compiled: Apr 6th 2021]   —   □   ✕

XAMPP Control Panel v3.3.0   🔧 Config

Modules   🌐 Netstat

Service	Module	PID(s)	Port(s)	Actions				
☐	Apache	11064 1848	80, 443	Stop	Admin	Config	Logs	▶ Shell
☐	MySQL	17140	4306	Stop	Admin	Config	Logs	📁 Explorer
☐	FileZilla			Start	Admin	Config	Logs	🧰 Services
☐	Mercury			Start	Admin	Config	Logs	❓ Help
☐	Tomcat			Start	Admin	Config	Logs	🟧 Quit

```
15:14:50 [main]     All prerequisites found
15:14:50 [main]     Initializing Modules
15:14:50 [main]     Starting Check-Timer
15:14:50 [main]     Control Panel Ready
15:14:53 [Apache]   Attempting to start Apache app...
15:14:54 [Apache]   Status change detected: running
15:14:56 [mysql]    Attempting to start MySQL app...
15:14:57 [mysql]    Status change detected: running
```

Table Information:

TABLE AFTER INSERTING VALUES:

id	name	age
1	Rohit	23
2	Akshat	21
3	Aryan	27
4	Somya	16
5	Atharv	29
6	Karan	15

QUERIES WE CAN OPERATE :

Run SQL query/queries on table jdbcdemoo.students:

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

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

OUTPUT:

```
JDBC ×
"C:\Program Files\Java\jdk-19\bin\java.exe" "-javaagent:C:\Program Files
1 Rohit 23
2 Akshat 21
3 Aryan 27
4 Somya 16
5 Atharv 29
6 Karan 15

Process finished with exit code 0
```