ASSIGNMENT-3

SMARTBRIDGE EXTERNSHIP
Modern Application Development (Java Spring Boot)

NAME-ARYAN AGRAWAL   REGISTERATION NO.-20BCE2876

Ques) Implement Java JDBC using Java:

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);
        }}}
```
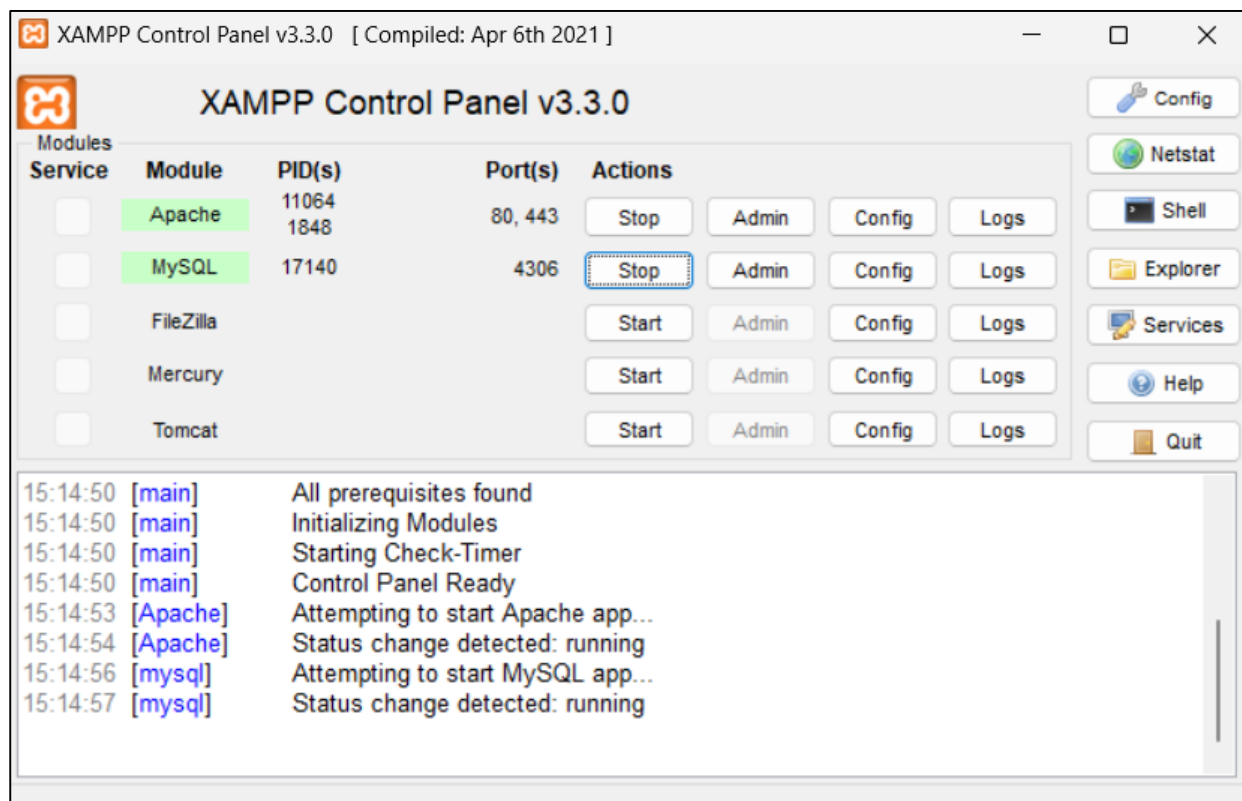
Service	Module	PID(s)	Port(s)	Actions			
	Apache	11064 1848	80, 443	Stop	Admin	Config	Logs
	MySQL	17140	4306	Stop	Admin	Config	Logs
	FileZilla			Start	Admin	Config	Logs
	Mercury			Start	Admin	Config	Logs
	Tomcat			Start	Admin	Config	Logs

XAMPP Control Panel v3.3.0 [Compiled: Apr 6th 2021]

XAMPP Control Panel v3.3.0

Config
Netstat
Shell
Explorer
Services
Help
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:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action		
☐ 1	**id**	int(20)			No	*None*			✎ Change	⊖ Drop	More
☐ 2	**name**	varchar(40)	utf8mb4_general_ci		No	*None*			✎ Change	⊖ Drop	More
☐ 3	**age**	int(3)			No	*None*			✎ Change	⊖ Drop	More

↑ ☐ Check all   *With selected:*   🗏 Browse   ✎ Change   ⊖ Drop   🔑 Primary   Ⓤ Unique   📇 Index
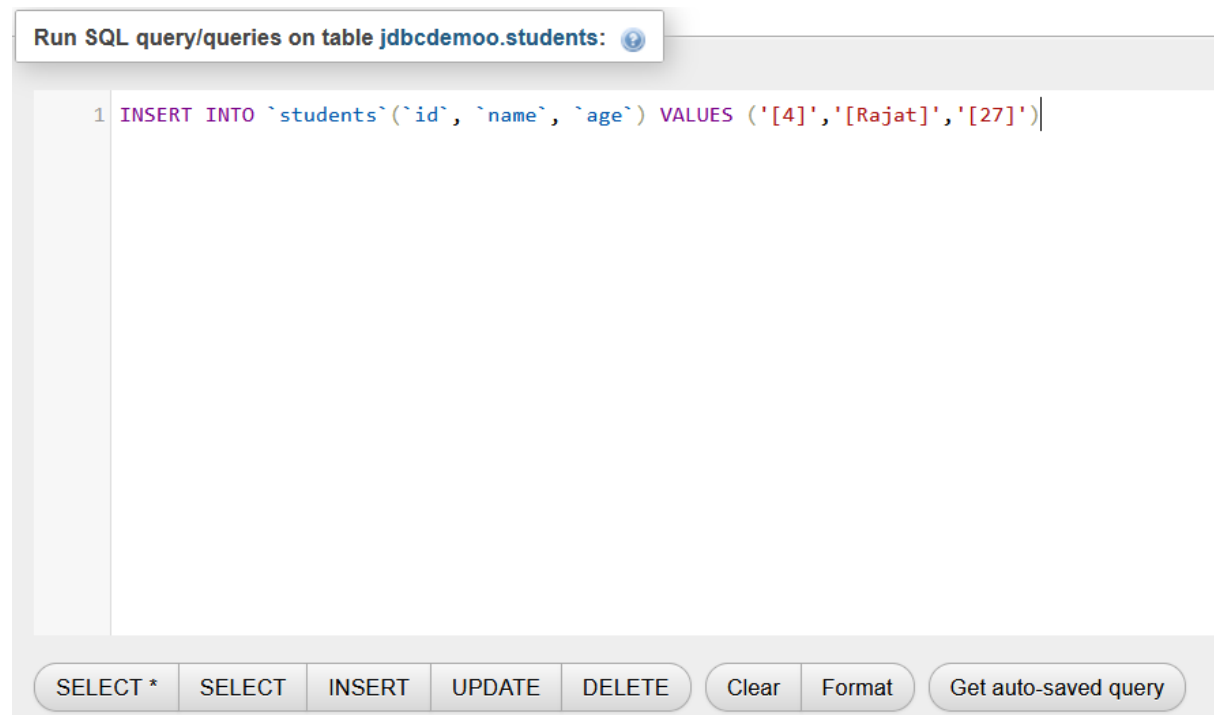
Table after inserting values :

```
SELECT * FROM `students`
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 ⌄   Filter rows: Search this table

Extra options

id	name	age
1	Arjun	20
2	Rohit	20
3	Somya	27
4	Aryan	17

Queries :

```
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 ×
        "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
```