

Assignment -3

-Eeshaan Dhanuka
-20BRS1173

Implement JDBC using Java

Database

Showing rows 0 - 2 (3 total, Query took 0.0005 seconds.)

`SELECT * FROM `student``

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

☐ Show all | Number of rows: 25 ▼ Filter rows:

Extra options

RegNo	Name	Age
20BCE1662	Aman	30
20BCE1374	Amit	30
20BRS1173	Eeshaan	20

☐ Show all | Number of rows: 25 ▼ Filter rows:

Query results operations

Connecting and displaying database

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

public class JDBCdemo {
    public static void main(String[] args) {

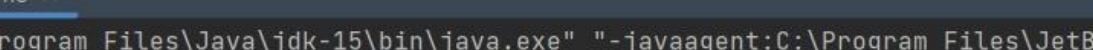
        String url="jdbc:mysql://localhost:3306/jdbcdemo";
        String username="root";
        String password="";
        try
        {
            Class.forName("com.mysql.cj.jdbc.Driver");
            Connection connection=
DriverManager.getConnection(url,username,password);
            Statement statement=connection.createStatement();
```

```
ResultSet resultSet = statement.executeQuery("select * from
student");

    while (resultSet.next()) {
        System.out.println(resultSet.getString(1) + " " +
resultSet.getString(2) + " " + resultSet.getInt(3));
    }

    connection.close();
}
catch (Exception e)
{
    System.out.println(e);
}
}
```

Output



```
JDBCdemo x
"C:\Program Files\Java\jdk-15\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA\lib\idea-agent-1.0.jar"
20BCE1662 Aman 30
20BCE1374 Priyansh 30
20BRS1173 Eeshaan 20

Process finished with exit code 0
```

Inserting data into the database

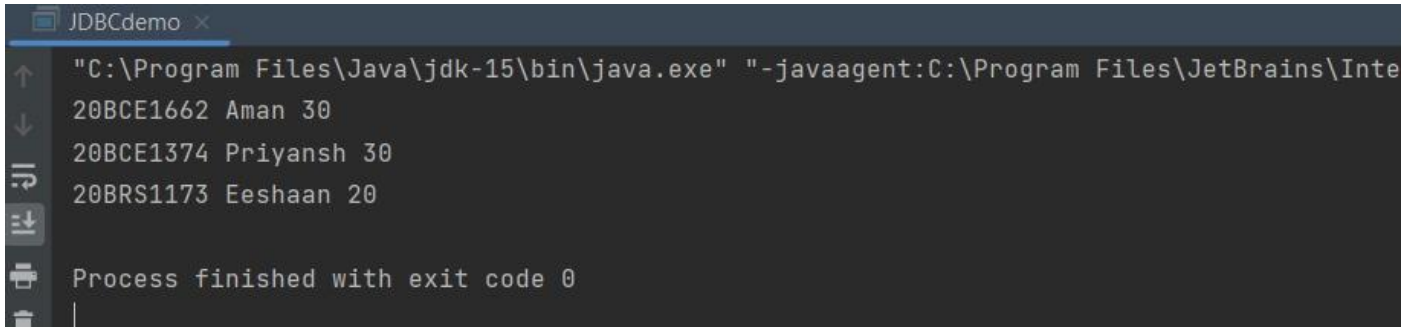
```
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.Statement;

public class JDBCdemo {
    public static void main(String[] args) {

        String url="jdbc:mysql://localhost:3306/jdbcdemo";
        String username="root";
        String password="";
        try
        {
            Class.forName("com.mysql.cj.jdbc.Driver");
            Connection connection=
DriverManager.getConnection(url,username,password);
            Statement statement=connection.createStatement();
            String sql="INSERT INTO STUDENT "+"VALUES
('20BCE1374','Priyansh',23)";
            statement.executeUpdate(sql);
            ResultSet resultSet = statement.executeQuery("select * from
student");

            while (resultSet.next()) {
                System.out.println(resultSet.getString(1) + " " +
resultSet.getString(2) + " " + resultSet.getInt(3));
            }
            connection.close();
        }
        catch(Exception e)
        {
            System.out.println(e);
        }
    }
}
```

```
}  
}  
}
```



```
JDBCdemo x  
"C:\Program Files\Java\jdk-15\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA\bin\idea_rt.jar=11.0.15:C:\Program Files\Java\jdk-15\bin\java.exe" 20BCE1662 Aman 30  
20BCE1374 Priyansh 30  
20BRS1173 Eeshaan 20  
Process finished with exit code 0
```

Output

Updating the Database

```
import java.sql.Connection;  
import java.sql.DriverManager;  
import java.sql.ResultSet;  
import java.sql.Statement;  
  
public class JDBCdemo {  
    public static void main(String[] args) {  
  
        String url="jdbc:mysql://localhost:3306/jdbcdemo";  
        String username="root";  
        String password="";  
        try  
        {  
            Class.forName("com.mysql.cj.jdbc.Driver");  
            Connection connection=  
DriverManager.getConnection(url,username,password);  
            Statement statement=connection.createStatement();  
            String sql="UPDATE STUDENT "+ "SET AGE =20 WHERE Name IN  
( 'Amit','Eeshaan' )";  
            statement.executeUpdate(sql);  
            ResultSet resultSet = statement.executeQuery("select * from  
student");  
            while (resultSet.next()) {  
                System.out.println(resultSet.getString(1) + " " +  
resultSet.getString(2) + " " + resultSet.getInt(3));  
            }  
            connection.close();  
        }  
        catch (Exception e)  
        {  
            System.out.println(e);  
        }  
    }  
}
```

```
JDBCdemo x
"C:\Program Files\Java\jdk-15\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023\lib\idea_rt.jar" 20BCE1662 Aman 30
20BCE1374 Priyansh 30
20BRS1173 Eeshaan 20
Process finished with exit code 0
```

Output

Deleting the data from database

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

public class JDBCdemo {
    public static void main(String[] args) {

        String url="jdbc:mysql://localhost:3306/jdbcdemo";
        String username="root";
        String password="";
        try
        {
            Class.forName("com.mysql.cj.jdbc.Driver");
            Connection connection=
DriverManager.getConnection(url,username,password);
            Statement statement=connection.createStatement();
            String sql="DELETE FROM STUDENT "+ "WHERE RegNo = '20BRS1173'";
            statement.executeUpdate(sql);
            ResultSet resultSet = statement.executeQuery("select * from
student");

            while (resultSet.next()) {
                System.out.println(resultSet.getString(1) + " " +
resultSet.getString(2) + " " + resultSet.getInt(3));
            }

            connection.close();
        }
        catch (Exception e)
        {
            System.out.println(e);
        }
    }
}
```

Output

```
"C:\Program Files\Java\jdk-15\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023\lib\idea_rt.jar" 20BCE1662 Aman 30
20BCE1374 Priyansh 30
Process finished with exit code 0
```