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31/09/2027

~~ASSIGNMENT-4.~~

~~JAVA PROGRAMMING~~

10/10

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29/2/24

JDBC Assignment - 4

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SQL Connector in Java (JDBC)

```
import java.sql.Connection;
import java.sql.Driver Manager;
import java.sql.SQLException;
import java.sql.Statement;
import java.sql.*;
```

```
public class Main {
```

```
    public static void main(String[] args) {
```

```
        try {
```

```
            class.forName("com.mysql.cj.jdbc.Driver");
```

```
            String url = "jdbc:mysql://localhost:3306/testdb";
```

```
            String user = "root";
```

```
            String password = "";
```

```
            Connection con = DriverManager.getConnection(url, user, password);
```

```
            Statement stmt = con.createStatement();
```

```
            Student(SNO int, SName Varchar(20));
```

```
            Values(33333);
```

```
            String sql = "update table Student set SNO = 33333
```

```
            where SNO = 11111";
```

```
            stmt.executeUpdate(sql);
```

```
            String sql = "Delete from Student where SNO = 33333";
```

```
            stmt.executeUpdate(sql);
```

```
            String sql = "Insert into Student Values(44444, 'Harsha'),
```

```
            (55555, 'Abhishash'), (66666, 'Vishal');"
```

```
            stmt.executeUpdate(sql);
```

```
            String sql = "Alter table Student Add SName Varchar(20);"
```

```
            stmt.executeUpdate(sql);
```



```

String sql = "update Student set SName = 'Harsha' where  

Sno = 33333";  

stmt.executeUpdate(sql);  

String sql = "select * from Student";  

Result  

stmt.executeUpdate(sql);  

System.out.println("Student details are:");  

System.out.println("Database created successfully...");  

String sql = "select * from Student";  

Result Set rs = null  

rs = stmt.executeQuery(sql);  

System.out.println("Student details are:");  

while (rs.next()) {  

    int sno = rs.getInt("SNO");  

    String sname = rs.getString("SNAME");  

    System.out.println("SNO: " + sno + ", SNAME: " + sname);  

}  

stmt.close();  

con.close();  

} catch (ClassNotFoundException | SQLException e) {  

    e.printStackTrace();  

}  

}
}

```

SQL Connector with Java (JDBC) with Scanner Function

```
import java.sql.Connection;  
import java.sql.DriverManager;  
import java.sql.SQLException;  
import java.sql.Statement;  
import java.sql.*;  
import java.util.Scanner;
```

```
public class Main {
```

```
    public static void main(String[] args) {
```

```
        Scanner Scanner = new Scanner(System.in);
```

```
        try {
```

```
            Class.forName("com.mysql.cj.jdbc.Driver");
```

```
            String url = "jdbc:mysql://localhost:3306/javadb";
```

```
            stmt Statement stmt = DriverManager.getConnection(url,
```

```
                user, password);
```

```
            stmt Statement stmt = DriverManager.getConnection(url,
```

```
                user, password);
```

```
            Statement stmt = Con.createStatement();
```

```
            String deleteAllSql = "Delete from Student";
```

```
            stmt.executeUpdate(deleteAllSql);
```

```
            System.out.println("All records deleted from the student  
table");
```

```
            stmt.close();
```

```
            Con.close();
```

} catch (class Not Found Exception | CorException e) {
e.printStackTrace();

} Finally {

Stream.close();

}

}