

ASSIGNMENT 11

Q1. Display the contents of the student table from the database.

```
import java.sql.*; class Main {  
  
    public static void main(String[] args) {  
  
        String driverName = "org.postgresql.Driver";  
  
        String url = "jdbc:postgresql://192.168.1.17:5432/sample_db";  
  
        String username = "cse";  
  
        String password = "cse123";  
  
        try {  
            Class.forName(driverName);  
  
            Connection connection = DriverManager.getConnection(url, username, password);  
  
            if (connection != null) {  
                System.out.println("Connected");  
  
                String query = "SELECT * FROM students";  
  
                Statement statement = connection.createStatement();  
  
                ResultSet resultSet = statement.executeQuery(query);  
  
                while (resultSet.next()) {  
                    System.out.println(resultSet.getString("first_name") + "\t" + resultSet.getString("last_name") + "\t" +  
resultSet.getLong("mobile") + "\t" + resultSet.getString("email") + "\t" + resultSet.getDouble("cgpa"));  
                }  
            } else {  
                System.out.println("Not Connected");  
            }  
        } catch (ClassNotFoundException e) {  
            e.printStackTrace();  
        } catch (SQLException e) {  
            e.printStackTrace();  
        }  
    }  
}
```

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OUTPUT- Connected

Ankit	Kumar	9876543210	ankit@gmail.com	8.2
Priya	Das	9123456789	priya@gmail.com	9.1
Rohan	Mishra	9988776655	rohan@gmail.com	7.8

Q2. Insert a new row into the student table fo the database.

```
import java.sql.*; class Main {  
  
    public static void main(String[] args) {  
        String driverName = "org.postgresql.Driver";  
        String url = "jdbc:postgresql://192.168.1.17:5432/sample_db";  
        String username = "cse";  
        String password = "cse123";  
  
        try {  
            Class.forName(driverName);  
            Connection connection = DriverManager.getConnection(url, username, password);  
  
            if (connection != null) {  
                System.out.println("Connected");  
                String query = "INSERT INTO students(first_name, last_name, mobile,email, cgpa) VALUES('A', 'B',  
1234567890, 'a@mail.com', 8.6)";  
  
                Statement statement = connection.createStatement();  
                int n = statement.executeUpdate(query);  
  
                if (n > 0) {  
                    System.out.println(n + " rows inserted");  
                }  
                } else {  
                    System.out.println("Not Connected");  
                }  
            } catch (ClassNotFoundException ce) {  
                ce.printStackTrace();  
            } catch (SQLException se) {  
                se.printStackTrace();  
            }  
        }  
    }  
}
```

OUTPUT- Connected

1 rows inserted