

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

NAME:MANOJNYA HARICHANDAN
ROLL NO:10
SIC:24BCSA08