

## // ConnectionTest.java

```
import java.sql.*;
class ConnectionTest{
    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 con=DriverManager.getConnection(url,username,password);
            if(con !=null)
            {
                System.out.println("Connected");
            }
            else{
                System.out.println(" Not Connected");
            }
        }
    }
}
```

```
        }
        con.close();
    }
    catch(ClassNotFoundException ce){
        ce.printStackTrace();
    }
    catch(SQLException se){
        se.printStackTrace();
    }
}
```

## // Test.java

```
import java.awt.*;
class First extends Frame{
    First(){
        Button b=new Button("+");
        b.setBounds(30,100,80,30);// setting button position
        add(b);//adding button into frame
        setSize(300,300);//frame size 300 width and 300 height
        setLayout(null);//no layout manager
        setVisible(true);//now frame will be visible, by default not visible
    }
}
class Demo{
    public static void main(String args[]){
        First f=new First();
    }
}
```

## // DispData.java

```
import java.sql.*;
class DispData{
    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 con = DriverManager.getConnection(url,username,password);
            if(con != null){
                System.out.println("Database is connected");
            }
            else{
                System.out.println("Database not connected");
            }
        String qry = "SELECT * from students";
```

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

ResultSet rs = stmt.executeQuery(qry);

while(rs.next())
{
    System.out.println(rs.getString("first_name"));
}

stmt.close();
con.close();
}

catch(ClassNotFoundException ce){
    ce.printStackTrace();
}
catch(SQLException se){
    se.printStackTrace();
}
}
```

## // DisplatData.java

```
import java.sql.*;
class DisplayData{
    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 con=DriverManager.getConnection(url,username,password);
            if(con !=null)
            {
                System.out.println("Connected");
            }
            else{
```

```
        System.out.println(" Not Connected");
    }
    String qry="SELECT * FROM students";
    Statement stmt=con.createStatement();
    ResultSet rs=stmt.executeQuery(qry);
    while(rs.next()){

        System.out.println(rs.getString("first_name")+"\t"+rs.getString("last_name")+"\t"+rs.getLo
ng("mobile")+"\t"+rs.getString("email")+"\t"+rs.getDouble("cgpa"));
    }
    rs.close();
    stmt.close();
    con.close();
}
catch(ClassNotFoundException ce){
    ce.printStackTrace();
}
catch(SQLException se){
    se.printStackTrace();
}
```

```
    }  
}  
}
```

## // InsertData.java

```
import java.sql.*;
class InsertData{
    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 con=DriverManager.getConnection(url,username,password);
            if(con !=null)
            {
                System.out.println("Connected");
            }
            else{
```

```
        System.out.println(" Not Connected");
    }
    String qry="INSERT INTO students(first_name, last_name, mobile,email,
cgpa)VALUES('A', 'B', 1234567890, 'a@mail.com', 8.6)";
    Statement stmt=con.createStatement();
    int i=stmt.executeUpdate(qry);
    if(i>0){
        System.out.println(i+"row inserted");
    }
    con.close();
}
catch(ClassNotFoundException ce){
    ce.printStackTrace();
}
catch(SQLException se){
    se.printStackTrace();
}
}
```