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Subject:- Advanced Java Programming Lab

Experiment no.9

Aim:- Implementation of two-tier architecture using JDBC.

Program :-

Input:-

```java
package com.AJPExperiments;
import javax.swing.JOptionPane;
import java.sql.*;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;
import java.sql.Statement;

public class JDBCCreateTable {
    static String userid = "Manish", password="Leocor";
    static String url="jdbc.odbc.bob";
    static Statement stmt;
    static Connection con;

    public static void main(String[] args) {
        JOptionPane.showMessageDialog(null,"JDBC Programming Creation of Voting
Table");
        int choice = -1;
        do{
            choice= getChoice();
            if (choice!=0){
                getSelected(choice);
            }
        }while (choice!=0);
        System.exit(0);
    }
    public static int getChoice(){
        String choice;
        int ch;
        choice= JOptionPane.showInputDialog(null,"1. Eknath Shinde\n"+
```
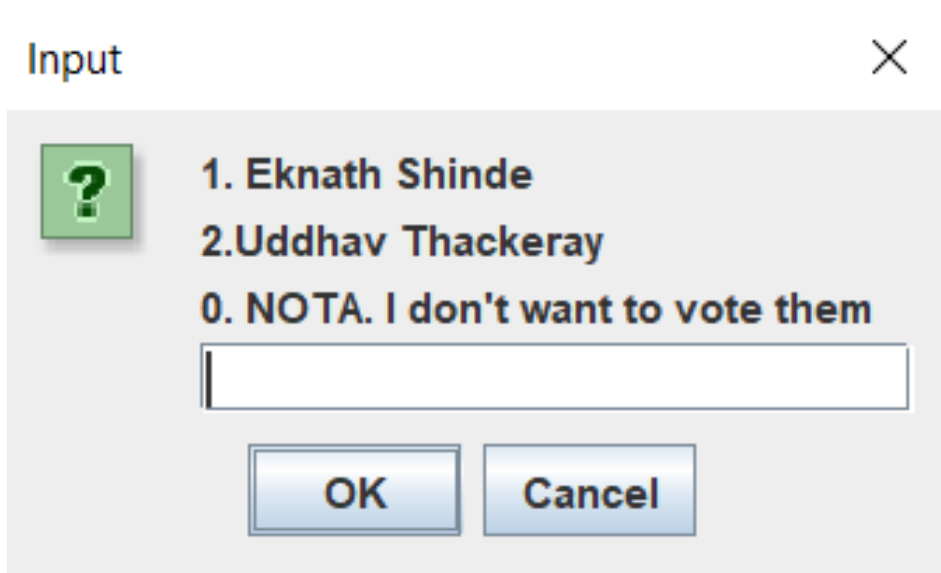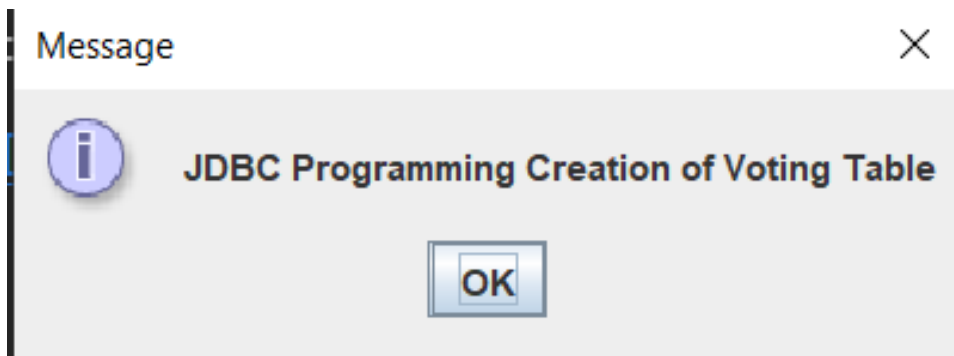
```
            "2.Uddhav Thackeray\n"+
            "0. NOTA. "+
            "I don't want to vote them");
      ch=Integer.parseInt(choice);
      return ch;
   }
   public static void getSelected(int choice){
      if (choice==1){
         createVote();
      }
      if (choice==2){
         createVote2();
      }
   }
   public static Connection getConnection() {
      try {
         Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
      } catch (java.lang.ClassNotFoundException e) {
         System.err.print("Class not Found");
         System.err.println(e.getMessage());
      }
      try {
         con = DriverManager.getConnection(url, userid, password);
      } catch (SQLException ex) {
         System.out.println("SQLException: " + ex.getMessage());
      }
      return con;
   }
   public static void createVote(){
   Connection con = getConnection();
   String createString;
   createString="create table vote("+"ID INTEGER,"+"NAME VARCHAR(30))";
   try{
      stmt=con.createStatement();
      stmt.executeUpdate(createString);
      stmt.close();
   }catch (SQLException ex){
      System.err.println("SQL Exception: "+ex.getMessage());
   }
   JOptionPane.showMessageDialog(null,"Voting Table Created");
   }
   public static void createVote2(){
      Connection con=getConnection();
      String createString;
      createString= "create table Vote2("+"ID INTEGER,"+"NAME VARCHAR(20),"+"ID
INTEGER)";
      try{
```

```
        stmt = con.createStatement();
        stmt.executeUpdate(createString);
        stmt.close();
        con.close();
    }catch(SQLException ex){
        System.err.println("SQLException: "+ex.getMessage());
    }
    JOptionPane.showMessageDialog(null,"Voting Table 2 Created");
    }
}
```

Output:-

Message ✕

ⓘ **JDBC Programming Creation of Voting Table**

OK

Input ✕

❓ **1. Eknath Shinde**

2.Uddhav Thackeray

0. NOTA. I don't want to vote them

OK   **Cancel**

Practical Performance (4)	Writeup & Oral (4)	Attendance (2)	Total (10)