START

```
import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStreamReader;

import com.student.manage.Student;
import com.student.manage.StudentDao;

public class start {

	public static void main(String[] args) throws IOException {
		System.out.println("Welcome");
		BufferedReader br = new BufferedReader(new InputStreamReader(System.in));

		while(true)
		{
			System.out.println("Press 1 to Addd student");
			System.out.println("Press 2 to Delete student");
			System.out.println("Press 3 to Display student");
			System.out.println("Press 4 to exit app");
			int c = Integer.parseInt(br.readLine());

			if(c == 1) {
				//Add Student
				System.out.println("Enter user name:");
				String name = br.readLine();

				System.out.println("Enter user phone:");
				String phone= br.readLine();
```

```
            System.out.println("Enter user city: ");
            String city = br.readLine();

            //create student object to store student
            Student st = new Student(name, phone, city);
            boolean answer = StudentDao.insertStudentToDB(st);
            if(answer) {
                  System.out.println("Student is added");
            }else {
                  System.out.println("Something wrong");
            }
            System.out.println(st);

      }else if (c==2) {
            //delete student
            System.out.println("Enter Id to Delete:");
            int userId = Integer.parseInt(br.readLine());

            boolean f = StudentDao.deleteStudent(userId);
            if(f) {
                  System.out.println("Deleted....");
            }else {
                  System.out.println("Something wrong...");
            }
      }else if (c==3) {
            StudentDao.showAllStudent();
            //Display student
      }else if (c==4) {
            //exit
            break;
      }else {
```

```
                }

            }

            System.out.println("Thank Your for using my app");

      }

}
```

STUDENT

```
package com.student.manage;

public class Student {
            private int studentId;
            private String studentName;
            private String studentPhone;
            private String studentCity;


            public Student(int studentId, String studentName, String
studentPhone, String studentCity) {
                  super();
                  this.studentId = studentId;
                  this.studentName = studentName;
                  this.studentPhone = studentPhone;
                  this.studentCity = studentCity;
            }


            public Student(String studentName, String studentPhone, String
studentCity) {
                  super();
                  this.studentName = studentName;
                  this.studentPhone = studentPhone;
                  this.studentCity = studentCity;
            }


            public Student() {
                  super();
                  // TODO Auto-generated constructor stub
            }


            public int getStudentId() {
                  return studentId;
            }


            public void setStudentId(int studentId) {
                  this.studentId = studentId;
            }


            public String getStudentName() {
```

```
		return studentName;
	}


	public void setStudentName(String studentName) {
		this.studentName = studentName;
	}


	public String getStudentPhone() {
		return studentPhone;
	}


	public void setStudentPhone(String studentPhone) {
		this.studentPhone = studentPhone;
	}


	public String getStudentCity() {
		return studentCity;
	}


	public void setStudentCity(String studentCity) {
		this.studentCity = studentCity;
	}


	@Override
	public String toString() {
		return "Student [studentId=" + studentId + ",
studentName=" + studentName + ", studentPhone=" + studentPhone
				+ ", studentCity=" + studentCity + "]";
	}

}
```

STUDENT DAO

package com.student.manage;

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.Statement;

public class StudentDao {

```
public static boolean insertStudentToDB(Student st) {

        boolean f = false;
        //jdbc code
        try {
            Connection con = CP.creatC();
            String q = "insert into students(sname, sphone, scity)
values(?,?,?)";
            //PreparedStatement
            PreparedStatement pstmt = con.prepareStatement(q);

            //set the value of parameter

            pstmt.setString(1, st.getStudentName());
            pstmt.setString(2, st.getStudentPhone());
            pstmt.setString(3, st.getStudentCity());

            //execute..
            pstmt.executeUpdate();
            f= true;


        }catch(Exception e) {
            e.printStackTrace();
        }
        return f;
```

```
}

public static boolean deleteStudent(int userId)
{

        boolean f = false;
        //jdbc code
        try {
            Connection con = CP.creatC();
            String q = "delete from students where sid = ?";
            //PreparedStatement
            PreparedStatement pstmt =
con.prepareStatement(q);

            //set the value of parameter

            pstmt.setInt(1, userId);

            //execute..
            pstmt.executeUpdate();
            f= true;



        }catch(Exception e) {
            e.printStackTrace();
        }
        return f;
```

```
        }

public static void showAllStudent() {
        // TODO Auto-generated method stub
        boolean f = false;
        //jdbc code
        try {
                Connection con = CP.creatC();
                String q = "Select* from students";
                Statement stmt= con.createStatement();
                ResultSet set = stmt.executeQuery(q);

                while(set.next())
                {
                        int id = set.getInt(1);
                        String name = set.getString(2);
                        String phone = set.getString(3);
                        String city = set.getString("Scity");

                        System.out.println("ID: "+ id);
                        System.out.println("Name :"+ name);
                        System.out.println("Phone :"+ phone);
                        System.out.println("City :"+ city);

System.out.println("================================");
                }
```

```
            }catch(Exception e) {
                    e.printStackTrace();
            }

        }
        }
```

CP

```
package com.student.manage;

import java.sql.Connection;
import java.sql.DriverManager;

public class CP {



        static Connection con;

        public static Connection creatC() {
                //load the driver
                try {
                Class.forName("com.mysql.jdbc.Driver");
```

```
            String user = "root";
            String password = "Dell@vostoro";
            String url = "jdbc:mysql://localhost:3306/student_manage";

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

            }catch(Exception e) {
                  e.printStackTrace();
            }
            return con;
      }

}
```