

3 day Practice

Student Table

1.ID

2.Name

3.Course

4.Fee

Solution: create database reg_db

```
use reg_db
```

```
create table student
```

```
(  
    id int,  
    name varchar(50),  
    course varchar(50),  
    fee int
```

```
)
```

```
insert into student values
```

```
(  
    1,  
    'john',  
    'cse',  
    60000
```

```
)
```

Q.1 Write JDBC code to save data in above table?

```
public class A{
```

```
    public static void main(String[] args) {
```

```
        try {
```

```
            //step 1 : db connection
```

```
            Connection con =
```

```
DriverManager.getConnection("jdbc:mysql://localhost:3306/reg_db", "root", "test");
```

```
            System.out.println(con);
```

```
            //step 2 : execute sql queries
```

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

```
            stmt.executeUpdate("insert into student
```

```
value('4','macky','mcom','70000')");
```

```
            //step3 : close connector
```

```
            con.close();
```

```

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

```

Q.2 Write JDBC Code to Delete the record?

```

public class A{
    public static void main(String[] args) {
        try {
            //step 1 : db connection
            Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/reg_db", "root", "test");
            System.out.println(con);
            //step 2 : execute sql queries
            Statement stmt = con.createStatement();
            stmt.executeUpdate("delete from student where id =
"+2+"");
            //step3 : close connector
            con.close();
        }catch (Exception e){
            e.printStackTrace();
        }
    }
}

```

Q.3 Write JDBC Code to Update the record?

```

public class A{
    public static void main(String[] args) {
        try {
            //step 1 : db connection
            Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/reg_db", "root", "test");
            System.out.println(con);
            //step 2 : execute sql queries
            Statement stmt = con.createStatement();

```

```

        stmt.executeUpdate("UPDATE student SET fee = '"+90000+" Where id
        ='"+1+"");
        //step3 : close connector
        con.close();
    }catch (Exception e){
        e.printStackTrace();
    }
}
}

```

Q.4 Write JDBC Code to read data from database?

```

public class A{
    public static void main(String[] args) {
        try {
            //step 1 : db connection
            Connection con =
            DriverManager.getConnection("jdbc:mysql://localhost:3306/reg_db", "root", "test");
            System.out.println(con);
            //step 2 : execute sql queries
            Statement stmt = con.createStatement();
            ResultSet result = stmt.executeQuery("Select * from
            student");

            while(result.next()) {
                System.out.println(result.getString(1));
                System.out.println(result.getString(2));
                System.out.println(result.getString(3));
                System.out.println(result.getString(4));
            }

            //step3 : close connector
            con.close();
        }catch (Exception e){
            e.printStackTrace();
        }
    }
}

```

}

Q.5 Using crud operation . It should print the message-Welcome to registration app!

Q.a Selection Option

- 1. Add Registration**
- 2. Delete Registration**
- 3. Update Registration**
- 4. Read Registration**

Q.b Option 1 is selected

enter your Id

enter your name

enter your course

enter your fee

```
public class RegistrationApp {  
    public static void main(String[] args) {  
        System.out.println("welcome to registration app!!");  
        System.out.println("options");  
        System.out.println("Add registration");  
        System.out.println("Delete registration");  
        System.out.println("Update registration");  
        System.out.println("Read registration");  
        System.out.println("Enter the option:");  
  
        Scanner scan = new Scanner(System.in);  
        int option = scan.nextInt();  
  
        try {  
            // Step 1: connect to the db  
            Connection con =  
DriverManager.getConnection("jdbc:mysql://localhost:3306/reg_db_2", "root",  
"test");  
            System.out.println(con);  
            Statement stmt = con.createStatement();  
  
            if (option == 1) {  
                System.out.println("Enter the details");  
                System.out.println("Enter your name"); // input dynamically  
                String name = scan.next();
```

```
System.out.println("Enter Your City");  
String city = scan.next();
```

```
System.out.println("Enter Your Email");  
String email = scan.next();
```

```
System.out.println("Enter Your Mobile");  
String mobile = scan.next();
```

```
stmt.executeUpdate("insert into registration values('"+ name + "', '"+ city +  
"', '"+ email + "', '"+ mobile + "')");  
}
```

```
else if (option == 2) {
```

```
    System.out.println("Delete");
```

```
        System.out.println("Enter Your Email");
```

```
        String email = scan.next();
```

```
        stmt.executeUpdate("Delete from registration Where  
email='"+email+"'");
```

```
    }
```

```
else if (option == 3) {
```

```
    System.out.println("Update");
```

```
    System.out.println("Enter Your Email");
```

```
    String email = scan.next();
```

```
    System.out.println("Enter Your Mobile");
```

```
    String mobile = scan.next();
```

```
    stmt.executeUpdate("UPDATE registration SET mobile  
= '"+mobile+"' Where email='"+email+"'");
```

```
}
```

```
else if (option == 4) {
    System.out.println("Read");
    ResultSet result = stmt.executeQuery("Select * from
registration");

    while(result.next()) {
        System.out.println(result.getString(1));
        System.out.println(result.getString(2));
        System.out.println(result.getString(3));
        System.out.println(result.getString(4));
    }
}

else {
    System.out.println("invalid input");
}

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