ASSIGNMENT-3

(JDBC)

1. Write a jdbc program to create following tables:
   a. Student having attribute (Roll No, Name, 5 subject marks, Total-Mark, Branch_ID)
   b. Branch having attribute(Branch_ID , Branch_name, No_of Semesters, Course-fee)
   Branch-ID is in primary key-foreign key relation.

Insert some records in both the table. Display each student details fetching data from both the tables.

PROGRAM:-

```
import java.sql.*;
import java.util.*;
public class Student
{
  public static void main (string arg[]){
    boolean a;
    try
    {
      class.forName ("oracle.jdbc.driver.OracleDriver");
      Connection con = DriverManager.getConnection ("jdbc:oracle:
      thin:@localhost:1521:xe","system","System");
      Statement smt = con.createStatement();
      a1 = smt.execute ("CREATE TABLE Student (arollno
      varchar(30), Aname varchar(40), Subject1 number(3),
      Subject2 number(3), Subject3 number(3), subject4
      number(4), Subject5 number(3), total-marks number
      (4) NULL, PRIMARY KEY branch-id varchar(30))");
      System.out.println(a1);
      System.out.println ("Created Table in given
                           Database");
    }
```

```
Oracle:thin:@localhost:1521:xe","system","System");
Statement st = con.createStatement
C=St.execute("CREATE TABLE Branch (BranchID varchar(30),
Branch.Aname varchar(30), No.of.semesters number(4),
Course_fee number(10), CONSTRAINT FK_Branch_ID
PRIMARY KEY (Branch_ID) REFERENCES Branch(Branch_
ID))");
System.out.println("Created Table");
Statement smt = con.CreateStatement;
Smt.executeUpdate("INSERT INTO Branch VALUES('CS-02',
'Computer Science', 4, 4,49,000)");
ResultSet ars = stt.executeQuery("SELECT * FROM Student s,
Branch b WHERE S.BranchID = b.Branch_ID");
while(rs.next())
{
    System.out.println("Roll.NO:"+rs.getString(1));
    System.out.println("Name:"+rs.getString(2));
    System.out.println("Mark1:"+rs.getString(3));
    System.out.println("Mark2:"+rs.getString(4));
    System.out.println("Mark3:"+ars.getString(5));
    System.out.println("Mark4:"+rs.getString(6));
    System.out.println("Mark5:"+rs.getString(7));
    System.out.println("Total marks:"+rs.getString(8));
    System.out.println("Branch_ID:"+ars.getString(9));
    System.out.println("Branch_Name:"+rs.getString(10));
    System.out.println("Semesters:"+rs.getString(11));
    System.out.println("Course fee:"+rs.getString(12));
}
}
catch(Exception e){
    System.out.println(e);
}
}
```

```
catch (Exception e)
{
    System.out.println(e);
}
try
{
    Class.forName("oracle.jdbc.driver.OracleDriver");
    Connection con = DriverManager.getConnection("jdbc:
     oracle:thin:@localhost:1521:xe","system","System");
    Statement st1 = con.createStatement();
    st1.executeUpdate("INSERT INTO Student VALUES(1,'Nicha
     Mohanty',90,100.85,77.95,NULL,CS.02)");
    st1.executeQuery("SELECT SUM(subject1+subject2+
     subject3+subject4+subject5) FROM Student GROUP
     BY rollno");
    }
    catch (Exception e)
    {
        System.out.println(e);
    }
}
}
```

(b)

```
import java.util.*;
import java.io.*;
import java.sql.*;
public class Branch{
    public static void main (String args[]){
        boolean c
        try {
            Class.forName("oracle.jdbc.driver.OracleDriver");
            Connection con = DriverManager.getConnection("jdbc:
```