|  |
| --- |
| 6)Create a database with following schemas in mysql  **(a6\_jdbc\_java connect)**  Student(Roll,Name,Deptid)  Dept (Deptid,Dname)  Write a program in Java/PHP to connect with a database using Jdbc-Odbc Connectivity to display the student’s name of computer Engineering Department. |

#DATABASE

mysql> create database asgt6;

mysql> use asgt6;

Database changed

mysql> create table Student(

-> Roll\_no int,

-> Name varchar(20),

-> Dept\_id int);

mysql> create table Department(

-> Dept\_id int,

-> Dept\_name varchar(30));

mysql> show tables;

+-----------------+

| Tables\_in\_asgt6 |

+-----------------+

| Department |

| Student |

+-----------------+

mysql> insert Student values(101,"Mayur",500);

mysql> insert Student values(102,"Jay",600);

mysql> insert Student values(103,"Rashi",600);

mysql> insert Student values(104,"Rohan",500);

mysql> insert Student values(105,"Manish",700);

mysql> insert Student values(106,"Ananya",500);

mysql> insert Student values(107,"Rutuja",500);

mysql> insert Department values(500,"Computer");

mysql> insert Department values(600,"Mechanical");

mysql> insert Department values(700,"Electronics");

mysql> select \*from Student;

+---------+--------+---------+

| Roll\_no | Name | Dept\_id |

+---------+--------+---------+

| 101 | Mayur | 500 |

| 102 | Jay | 600 |

| 103 | Rashi | 600 |

| 104 | Rohan | 500 |

| 105 | Manish | 700 |

| 106 | Ananya | 500 |

| 107 | Rutuja | 500 |

+---------+--------+---------+

mysql> select \*from Department;

+---------+-------------+

| Dept\_id | Dept\_name |

+---------+-------------+

| 500 | Computer |

| 600 | Mechanical |

| 700 | Electronics |

+---------+-------------+

mysql> select \*from Student natural join Department where Student.Dept\_id=Department.Dept\_id;

+---------+---------+--------+-------------+

| Dept\_id | Roll\_no | Name | Dept\_name |

+---------+---------+--------+-------------+

| 500 | 101 | Mayur | Computer |

| 600 | 102 | Jay | Mechanical |

| 600 | 103 | Rashi | Mechanical |

| 500 | 104 | Rohan | Computer |

| 700 | 105 | Manish | Electronics |

| 500 | 106 | Ananya | Computer |

| 500 | 107 | Rutuja | Computer |

+---------+---------+--------+-------------+

mysql> select \*from Student natural join Department where Student.Dept\_id=Department.Dept\_id and Dept\_name="Computer";

+---------+---------+--------+-----------+

| Dept\_id | Roll\_no | Name | Dept\_name |

+---------+---------+--------+-----------+

| 500 | 101 | Mayur | Computer |

| 500 | 104 | Rohan | Computer |

| 500 | 106 | Ananya | Computer |

| 500 | 107 | Rutuja | Computer |

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#JAVA PROGRAM TO CONNECT \*/

------------------------------------------------------------------------------------

//export CLASSPATH=$CLASSPATH:/usr/share/java/mysql-connector-java.jar

// javac JDBC.java

// java JDBC

import java.sql.\*;

import java.sql.DriverManager;

import java.io.\*;

import java.util.\*;

class JDBC

{

public static void main(String args[])

{

try{

Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/asgt6?useSSL=false","root","manager");

System.out.println("Successfull !!");

Statement stmt=con.createStatement();

ResultSet rs= stmt.executeQuery(" select \*from Student natural join Department where Student.Dept\_id=Department.Dept\_id and Dept\_name='Computer'");

while(rs.next())

System.out.println( rs.getInt(1)+" " +rs.getInt(2)+" " +rs.getString(3)+" "+rs.getString(4));

con.close();

}

catch(Exception e)

{

e.printStackTrace();

}

}

}

/\*OUTPUT:

unix@unix-HP-dx2480-MT-KL969AV:~/Desktop$ javac JDBC.java

unix@unix-HP-dx2480-MT-KL969AV:~/Desktop$ java JDBC

Successfull !!

500 101 Mayur Computer

500 104 Rohan Computer

500 106 Ananya Computer

500 107 Rutuja Computer \*/