Q. 3) Suppose We have 2 tables as

1. Employee(EmpNo(PK), Ename, Job, MGR, Hiredate, Salary, DeptNo)
2. Department(DeptNo(PK), Dname, Location)

Write a query that shows department name and total number of employees in each department with the format as DEPTPARTMENT NAME, NUMBER OF EMPLOYEE

Ans.

SELECT A.Dname As “DEPARTMENT NAME”, B.count(\*) As “NUMBER OF EMPLOYEE” FROM Department A, Employee B WHERE A.DeptNo = B.DeptNo GROUP BY A.Dname ORDER BY 2;

…………………………………………………………………………………………………..

Q. 1) Developing Web Application with the given Database.

Ans.

SQL> CREATE DATABASE project;

Database Created.

SQL> CREATE TABLE userlogin

(

Username VARCHAR(20) NOT NULL,

Password VARCHAR(10) NOT NULL,

ConfirmPass VARCHAR(10) NOT NULL,

Fristname VARCHAR(10) NOT NULL,

Lastname VARCHAR(10) NOT NULL,

EmailId VARCHAR(10) NOT NULL,

PhoneNo NUMBER(10) NOT NULL,

Location VARCHAR(10) NOT NULL

);

Table created.

Note : mysql JAR file has been added to Project (RegistrationForm).

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Q. 2) Write a function which will return the maximum number of words in a sentence.

**public** **class** HighestStringLength

{

**public** **static** **void** main(String[] args)

{

String givenString = "How r u?Hi+I am not Fine!"; //Given Input String

System.***out***.println("Given String Length : "+givenString.length());

//Regex pattern to Split given Input String

String splittedElementArray[]=givenString.split("\\?|\\.|!|\\+");

String[] array1=**null**;

**for**(**int** i=0; i< splittedElementArray.length; i++) //Splitting string into words

{

array1= splittedElementArray[i].split(" ");

//System.out.println(array1.length);

}

**int** tempStringLength=0;

**int** highestStringLength = 0;

System.***out***.println("Total no. of Strings is : "+ splittedElementArray.length);

**for**(**int** i=0; i<array1.length; i++) //For loop to calculate highest string length

{

**if**(array1[i].length()>tempStringLength)

{

tempStringLength = array1[i].length();

highestStringLength = tempStringLength;

}

}

System.***out***.println("Highest String Length is : "+highestStringLength);

}

}