{ASSIGNMENT-1}

Java

Q1) import java.util.\*;

public class DP {

public static void main(String[] args) {

Scanner sc=new Scanner(System.***in***);

String[] str=new String[] {"abc","def","ABZ","ASD","AbC"};

//String[] str=new String[10];

Set<String> ans=new HashSet<String>();

//Set<String> ans2=new HashSet<String>();

int c=0;

for(String temp:str)

{

temp=temp.toLowerCase();

ans.add(temp);

}

System.out.println(ans);

}}

Q2) abstract class market{

abstract double getPrice();

abstract String getProductName();

}

class Bingo extends market{

double getPrice() {

return 10.0;

}

String getProductName() {

return "Bingo";

}

}

public class TestAbstract {

public static void main(String[] args) {

market m;

m = new Bingo();

System.out.println(m.getProductName()+" "+m.getPrice());

}

}

Q3) import java.util.\*;

public class DP {

public static void main(String[] args) {

Scanner sc=new Scanner(System.***in***);

String[] str =new String[] {"1","4","3","23"};

Arrays.*sort*(str);

System.out.println(str[3]);

}

}

Q4) import java.util.Scanner;

public class DP{

public static void main(String[] args) {

Scanner sc=new Scanner(System.in);

int[] arr=new int[] { 2, 5 ,8 ,9, 0,1, 7 , 10} ;

for(int i=0;i<arr.length-1;i++)

{

for(int temp:arr) {

if(arr[i]+arr[i+1]==temp){

System.out.print("("+arr[i]+","+arr[i+1]+")");

}

}

}

System.out.println();

}

}

SQL

Q1) create table Subject(id varchar(10), rollno numeric(15) primary key, subjectname varchar(30), marks numeric(20));

select \* from Subject

insert into Subject values('DP1' , 686, 'UPM', 100);

insert into Subject values('DP2' , 685, 'CC', 95);

insert into Subject values('DP3' , 687, 'DS', 98);

insert into Subject values('DP4' , 689, 'DM', 94);

\_\_\_select subjectname, count(distinct rollno) from Subject

create table Student(id varchar(10), rollno numeric(15)FOREIGN

--KEY(rollno) REFERENCES Subject(rollno), sname varchar(30), address varchar(40));

--select \* from Student

--insert into Student values('WX1' , 10, 'Mosbank', 'SK');

--insert into Student values('WX2' , 11, 'Karthik', 'IND');

--insert into Student values('WX3' , 12, 'WangXia', 'CH');

--insert into Student values('WX4' , 13, 'Porsche', 'TH');

--insert into Student values('WX5' , 14, 'Yinwar', 'JP')

\_\_\_select count(id) from subject where subjectname=’UPM’;

\_\_\_select sum(marks)from subject where rollno=686;

Q2) create table product ( id int, name varchar(10), price int,location varchar(10));

Insert into product values(10,'table',500,'bbsr')

Insert into product values (12,'chair',250,'ctc')

Insert into product values (13,'lamp',300,'puri');

select \* from product

create table manufacturer (id int,company\_name varchar(10), product\_id int, address varchar(10));

Insert into manufacturer values (10,'VT',11001,'JP')

Insert into manufacturer values (12,'DT',11002,'TH')

\_\_select manufacturer.company\_name,product.location from product INNER JOIN manufacturer ON product.id=manufacturer.id;

HTML

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<table border="2" bordercolor="green" align="center">

<tr>

<td bgcolor="red"> LOGO </td>

<td bgcolor="green"> SITE NAME </td>

</tr>

<tr>

<td>Signup</td>

<td> Table 1

<table border="2" bordercolor="blue">

<tr>

<td>product\_id</td>

<td>product\_name</td>

<td>price</td>

<td>location</td>

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