# *EXERCISE - 1*

## VIRTUSA TRAINING

### *JAVA*

# 1.

import java.util.\*;

public class VT {

public static void main(String[] args) {

// **TODO** Auto-generated method stub

//String ans1;

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);

}}

# 2.

abstract class market{

abstract void getPrice(); abstract void getProductName();

}

public class vt2{

public static void main(String[] args)

{

}

}

# 3.

import java.util.\*;

public class vt3 {

public static void main(String[] args) {

// **TODO** Auto-generated method stub

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

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

Arrays.*sort*(str);

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

}

}

# 4.

import java.util.\*;

public class vt4 {

public static void main(String[] args) {

// **TODO** Auto-generated method stub

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

## 1.

CREATE TABLE Subject (

id int,

rollno int,

subjectname varchar(10),

marks int

);

SELECT \* FROM Subject

INSERT INTO Subject VALUES(1,1941012346,'chem',95)

INSERT INTO Subject VALUES(2,1941012347,'phy',87)

INSERT INTO Subject VALUES(3,1941012348,'bio',89);

INSERT INTO Subject VALUES(4,1941012346,'eng',90);

SELECT COUNT(id)

FROM Subject

WHERE subjectname='chem';

SELECT SUM(marks)

FROM Subject

WHERE rollno=1941012346;

## 2.

CREATE TABLE product (

id int,

name varchar(10),

price int,

location varchar(10)

);

INSERT INTO product VALUES(1,'pen',5,'bbsr')

INSERT INTO product VALUES(2,'eraser',2,'ctc')

INSERT INTO product VALUES(3,'pencil',3,'puri');

select \* from product

CREATE TABLE manufacturer (

id int,

company\_name varchar(10),

product\_id int,

address varchar(10)

);

INSERT INTO manufacturer VALUES(1,'tcs',5,'bbsr')

INSERT INTO manufacturer VALUES(2,'elxsi',9,'blr')

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

# HTML

<html>

<body>

<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>

</table>

</td>

</tr>

</table>

</body>

</html>