//Q 1 Wap to define Student class havinf fields like Rollno , name and marks

//--define - constructor |getter Setter

package com.Assignments;

class Student2{

int Rollno;

String name;

double marks;

public int getRollno() {

return Rollno;

}

public void setRollno(int rollno) {

Rollno = rollno;

}

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

public double getMarks() {

return marks;

}

public void setMarks(double marks) {

this.marks = marks;

}

}

public class Assignment6\_1 {

public static void main(String[] args) {

Student2 s=new Student2();

s.setRollno(10);

System.out.println("Roll no is: "+s.getRollno());

s.setName("om");

System.out.println("Name is: "+s.getName());

s.setMarks(100);

System.out.println("Marks : "+s.getMarks());

}

}

Roll no is: 10

Name is: om

Marks : 100.0

//Q 2 Create another class MyRollnoComparator and override compare method

package com.Assignments;

import java.util.ArrayList;

import java.util.Comparator;

import java.util.List;

import java.util.TreeSet;

class Student3

{ int rollno;

String name;

@Override

public String toString() {

return "Student [rollno=" + rollno + ", name=" + name + "]";

}

public Student3(int rollno, String name) {

// super();

this.rollno = rollno;

this.name = name;

}

}

class Comp implements Comparator<Student3>

{

@Override

public int compare(Student3 o1, Student3 o2) {

return Integer.compare(o1.rollno,o2.rollno);

}

}

public class Assignment6\_2 {

public static void main(String[] args) {

Student3 s= new Student3(12,"neha");

Student3 s1= new Student3(2,"ashu");

Student3 s2= new Student3(22,"priya");

Student3 s3= new Student3(20,"gagan");

TreeSet<Student3> l= new TreeSet<>(new Comp());

l.add(s);

l.add(s1);

l.add(s2);

l.add(s3);

for(Student3 r:l)

System.out.println(r);

}

}

Student [rollno=2, name=ashu]

Student [rollno=12, name=neha]

Student [rollno=20, name=gagan]

Student [rollno=22, name=priya]

//Q 3 Create MainClass and define 5 objects of student class and

//store them in TreeSet or Priority Queue

package com.Assignments;

import java.util.ArrayList;

import java.util.Comparator;

import java.util.List;

import java.util.TreeSet;

class Student4

{ int rollno;

String name;

*@Override*

public String toString() {

return "Student [rollno=" + rollno + ", name=" + name + "]";

}

public Student4(int rollno, String name) {

// super();

this.rollno = rollno;

this.name = name;

}

}

class Comp2 implements Comparator<Student4>

{

*@Override*

public int compare(Student4 o1, Student4 o2) {

return Integer.*compare*(o1.rollno,o2.rollno);

}

}

public class Assignment6\_3 {

public static void main(String[] args) {

Student4 s= new Student4(12,"neha");

Student4 s1= new Student4(2,"ashu");

Student4 s2= new Student4(22,"priya");

Student4 s3= new Student4(20,"gagan");

TreeSet<Student4> l= new TreeSet<>(new Comp2());

l.add(s);

l.add(s1);

l.add(s2);

l.add(s3);

for(Student4 r:l)

System.***out***.println(r);

}

}

Student [rollno=2, name=ashu]

Student [rollno=12, name=neha]

Student [rollno=20, name=gagan]

Student [rollno=22, name=priya]

//Q 4 Write a program that accept string as command line argument and generate

//the output in specific way

//Example if two

//command line argument are wipro and bangolre then the ouput generated should be

//wipro technology banglore

//If the argument

//are ABC and Mumbai then output should be ABC technology mumbai

package com.Assignments;

//demonstrate command line argument

//javac CmdExample.java --> bytecode

//java CmdExample

//java CmdExample Cdac Noida India

//to pass value through eclipe

//run--> run configuration --> select filename --> Argument --- ---- run

public class Assignment6\_4

{

public static void main(String[] args)

{

System.***out***.println(args[0]+" technology "+ args[1]);

}

}

ABC technology Mumbai