/\*6.2 Take the details of internal exam marks in one Interface. Take the details of external exam marks in another interface. Write a Java program to find the total marks obtained in each subject by a student. (Note: Make use of Multiple Inheritance using interfaces.)\*/

import java.io.\*;

import java.lang.\*;

import java .util.\*;

interface Internal

{

public void internalmarks(intintmarks[]);

}

interface External

{

public void externalmarks(intextmarks[]);

}

classTotalmarks implements

Internal,External

{

int inter[]=new int[5];

intexter[]=new int[5];

int sum[]=new int[5];

public void internalmarks(intintmarks[])

{

for(inti=0;i<intmarks.length;i++)

{

inter[i]=intmarks[i];

}

}

public void externalmarks(intextmarks[])

{

for(inti=0;i<extmarks.length;i++)

{

exter[i]=extmarks[i];

}

}

public void total()

{

System.out.println("Total marks obtained in all 5 subjects");

for(inti=0;i<5;i++)

{

sum[i]=inter[i]+exter[i];

System.out.println("Total marks of Subject"+(i+1)+"="+sum[i]);

}

}

}

class Grading

{

public static void main(String args[])

{

Scanner sc=new Scanner(System.in);

System.out.println("Enter the name of a student");

String name=sc.nextLine();

System.out.println("Enter the Roll number of a student");

introllno=sc.nextInt();

int[] intmarks=new int[5];

int[] extmarks=new int[5];

System.out.println("Enter internal marks for 5 subjects");

for(inti=0;i<5;i++)

{

intmarks[i]=sc.nextInt();

}

System.out.println("Enter external marks for 5 subjects");

for(inti=0;i<5;i++)

{

extmarks[i]=sc.nextInt();

}

System.out.println("Name:"+name);

System.out.println("Roll Number:"+rollno);

Totalmarks tm=new Totalmarks();

tm.internalmarks(intmarks);

tm.externalmarks(extmarks);

tm.total();

}

}

OUTPUT:

