LAB 2 PROGRAM:

import java.util.\*;

class student

{

String usn,name;

static int credits[];

static double marks[];

void input(int n)

{

Scanner sc=new Scanner(System.in);

System.out.println("enter usn and name ");

usn=sc.nextLine();

name=sc.nextLine();

System.out.println("enter marks along with credits");

for(int i=0;i<n;i++)

{

marks[i]=sc.nextDouble();

credits[i]=sc.nextInt();

System.out.println();

}

}

double calculate(int n)

{

int c,cred=0;

double tot,total=0.0;

for(int i=0;i<n;i++)

{

tot=marks[i];

if(tot>=90)

c=10;

else if(tot>=80)

c=9;

else if(tot>=70)

c=8;

else if(tot>=60)

c=7;

else if(tot>=50)

c=6;

else if(tot>=40)

c=4;

else

c=0;

total=total+(c\*credits[i]);

cred=cred+credits[i];

}

total=total/cred;

return(total);

}

void display(int n,float total)

{

System.out.println("name of student : "+name);

System.out.println("usn of student : "+usn);

System.out.println("marks of student along with credits of course");

for(int i=0;i<n;i++)

{

System.out.println(marks[i]+" "+credits[i]);

}

System.out.println("sgpa of student : "+total);

}

public static void main(String args[])

{

Scanner sc=new Scanner(System.in);

student obj=new student();

System.out.println("enter no of course ");

int n=sc.nextInt();

credits=new int[n];

marks=new double[n];

obj.input(n);

double total=obj.calculate(n);

float res=(float)total;

obj.display(n,res);

}

}

