```
import java.util.*;
class Student
{
      private String USN;
private String name;
private int n;
private double SGPA = 0;
private int totalCredits = 0;
      Scanner ss = new Scanner(System.in);
void Details()
```

```
{
System.out.println("Enter USN of the student");
      USN = ss.nextLine();
System.out.println("Enter Name of the student");
name = ss.nextLine();
System.out.println("Enter no of subjects");
      n = ss.nextInt();
      int credits[] = new int[n];
double marks[] = new double[n];
      System.out.println("Enter details of the subjects:");
for(int i=0;i<n;i++)
```

```
{
System.out.println("Enter credits allotted to the subject "+(i+1));
             credits[i] = ss.nextInt();
             System.out.println("Enter marks in the subject "+(i+1));
             marks[i] = ss.nextInt();
             Calculate(credits[i],marks[i],i);
      }
  }
 void Calculate(int credit,double mark,int j)
 {
totalCredits = totalCredits + credit;
      if(mark>=90&&mark<=100)
                   SGPA = SGPA + (10*credit);
```

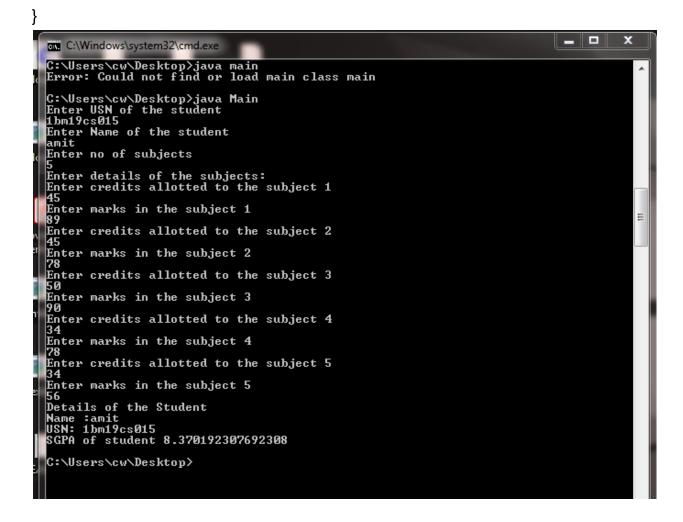
```
else if(mark>=80 && mark<=89)
            SGPA = SGPA + (9*credit);
else if(mark>=70&&mark<=79)
            SGPA = SGPA + (8*credit);
else if(mark>=60&&mark<=69)
            SGPA = SGPA + (7*credit);
else if(mark>=50 && mark<=59)
            SGPA = SGPA + (6*credit);
else if(mark>=40&&mark<=49)
            SGPA = SGPA + (5*credit);
else
System.out.println("Failed in ubject "+(j+1));
}
```

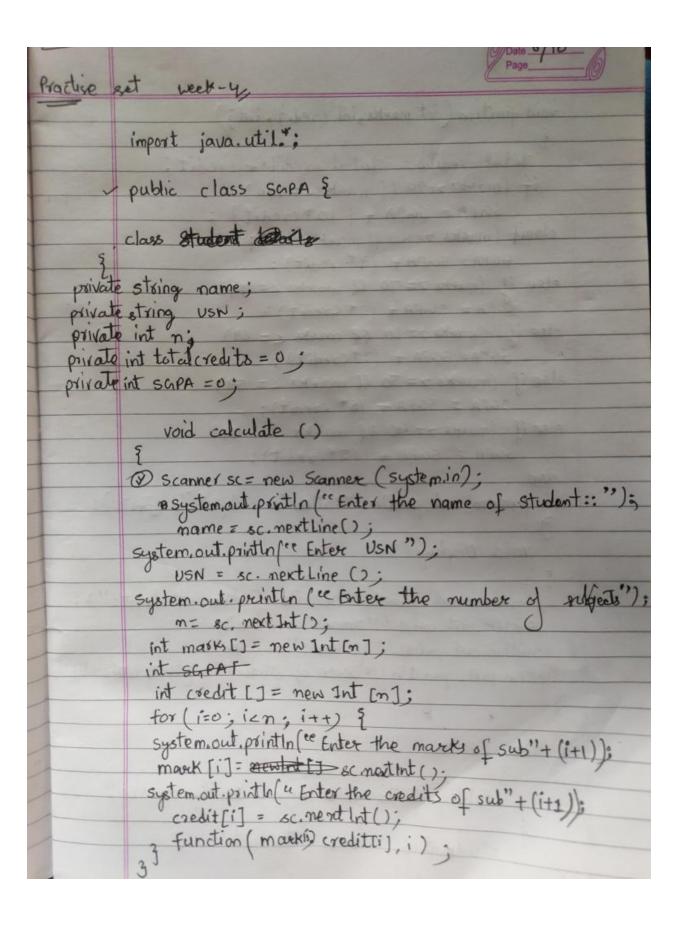
```
void Display()
{
System.out.println("Details of the Student");
            System.out.println("Name :"+name);
            System.out.println("USN: "+USN);
            System.out.println("SGPA of student "+(SGPA/totalCredits));
      }
}
class Main
{
      public static void main(String args[])
```

```
{
Student s1 = new Student();
s1.Details();
```

s1.Display();

}





```
void function (int marks, int credity inti)
    total credits = total credits + credit;
   if (marks == 90 ff marks == 100)
       SGPA = SGPA + (10*credit)
 elseif (marks 7=80 ff marks = 89)
      SGPA = SGPA+ (9+credit);
else if (meets 7= 70 &d marks L= 39)
     SGPA = SGPA + (8 * Credit);
else if (marks 7= 60 $$ marks L = 69)
      SGPA = SGPA + (7 * credit);
else if (marks 7 = 50 ff marks 2 = 59)
      SUPA = SUPA + (6* credit);
else if (marks 7=40 ff marks 2= 49)
     SGPA = SGPA + (5 * Gedit);
else
 system, oud, printer ("Failed in subject"+ (j+1));
   void Display ()
   system.out. prantle "betails of the student:");
   system.out. print ("e Name:" + name);
system. out. preintln (" It USW: "+ USW);
system. out. preintln ("e SMPA of student"+ (SMPA/total credit)
 class SGPA
    Public statio void main (string augs [])
student s1 = new student ();
```

31. calculate (); 31. display ();