```
2. Develop a Tava program to create a class student with members usn, name, an armay coredits and an armay marks Include methods to accept and display details and a method to calculate Saph of a student.
        import java etal Scanneri
        alass Student &
             Storing name;
             int manks [] = new int [3];
              int credit [] = new int [3];
         ent totopedats ()
           < int +=0,1;
               for (1=0; 1<3; 1++)
                  t=t+coredit[:];
              neturn t; >>
      class cso44 <
        public static void main (Storing angs[])
             Sio, P ("enter the student name, usn \n")
              intijt;
               float sapa=0)
        Scanner SC- new Scanner (System ; in)
        Student St = new Student();
          St. name = Sc. next line ();
         St. usn = Sc. next Line ();
             S.O.P C"marks and credit of each subjects are
        for (:=0; 1<3; i++)
       < St, marks [:] = Sc. next Int ();
            if (51, marks [;] ==100)
            SI, marks[i] (SI, marks[i]/10);
           St. manks[i]= (St. manks[i]/10) ++;
St. credit[i]= Sc. oext Int();
         Sapa = sapa + SI manks[i] + SI. concolot [i]; )
         t= s1. to+coredits();
         Sapa=sapa/ct);
         50,p (" 5gpa of " + 51, name + " 15/n " + 5gpa); )
```

## Program 2

## output

```
C:\Users\Chinmay Hegde\Documents\java practise>javac sgpa.java
C:\Users\Chinmay Hegde\Documents\java practise>java Sgpa
enter the student name, usn

Chinmay hegde
1BM21CS044
marks and credit of each subjects are

86 3
98 3
63 4
sgpa of Chinmay hegde is
8.5
```

```
3) Concate a class Book which contains fovor members: non
    author, porce, non-pages. Include a constoron sto set
  the values for the members. Include methods to set and
    the details of the objects. Include a tostoring()
   method that could display the complete details of
     book . Develop a Java program to coreate a bade of
     impost java util Scannon;
     class Book K
      Storing name?
       Storing author;
        int porice;
        int pages)
      Book (Storing a, Storing a, int por, intp)
         name = n;
         author=a)
          ponice = por i
          pages = pi
        void get ()
  < 5.0.p ("book details are In name: " + name + "In author:"
           tauthout "In posices" + posicet "In number of pages:
                t pagest "\n");
     public Storing to Storing ()
      < sietuon ("book details are to name: "+ name+ "In auto
             +authors " In price; " +price + " In number of pages
                +pages+" \n")
    class bleck 4 K
         psum (stonency engs [])
     < int 2, por, p;
         Storing na;
         Sio. P ("In enter the number of booksin")
        Scanner sc=new Scanner (Systemin)
               22ScinextInt();
```

## Program 3

```
Book b[] : new Book [Z];
 ton (1=0;1<2;itt)
   5.0.P ("enter the name, author, porice and pages of the book' t (i +1) +" onespectively 'n');
  n= sc. nex+()1
 a=scinex+()1
  por= sc. nex+Int();
   p=sc. next Int ();
   b[i]= new Book (n, a, por, p) i
fon (120; 1<2; itt)
    5.0.PCbCiJ);
```

## 3) Output

```
enter the number of books
2
enter the name ,author ,price and pages of the book1 respectively
lostworld
harry
150
200
enter the name ,author ,price and pages of the book2 respectively
spy
stokes
300
650
book details are
 name: lostworld
 author: harry
 price:150
 number of pages: 200
book details are
 name: spy
 author: stokes
 price:300
 number of pages: 650
```