```
import javo. util. Sconner;
 class Subject ?
     int subject Marks;
     int credits; int grades;
 class Student &
      String name;
      String usn;
double SGPA;
      Sannel 5;
      Subject [] subjects;
  Student () }
       int i;
        subject new Subject[a];
        tos(i=0; i<9; i++){
              subjects[i]= new Subject();
      3 5 : new Scanner (System.in);
void getStudentDetails () }
     System.out.printle ("Enter student name:");
     name = 5 next Line ();
     System.ord. printin (" Inter Student Usn: ");
     Usin s. nextline ();
reid getMarks() }
    for (inti = 0; 129; i+1) {
    Systemout. println (" Enter marks Insject " + (i+i) + ":");
    subjects [i]. subject Marks = s. next Int ();
   Aubjects[i]. credits = 3;
   if (subjects [i]. subject Marks >= 90) }
           subjects[i].grade = 10;
   3 elec if (Rubjects [17. Rubject Markes) = 75) ?
             subjects Ci J. grada = 9;
    Gelse y (subject (1), subject Marks > = 60) 8
    3 els y Conspectis [1]. grade=8;
(subjectis [1]. subject Marks >=50) 8
            Lubjuk[ ]. grade = 7;
```

```
Jeck y ( Lubjects [ i ]. Lubject Marks > = 40) ?
             rubject (i].grade = 6;
      Jelse
           subjecti [i ]. gade = 0;
   3
 5
        computeSGPA() ?
 void
         double totalCoudit=0;
         double totalfradelointh = 0;
       for (int i=0; i<9; i++) }
            total Gradeleints += subjects [i].grade & subjects[i]. oudits;
             to tell Credits += serbjects (i ]. credits;
          SERA = totalCredePoints / totalCredit;
public class Main &
          public static void main (String I ange) &
                   Student si = new Student ();
                    St. getMarks();
                    SI. combute SGPA();
           Lystem out printle (" In Student Details.");
           System out println(" Name: " + SI. name);
           System.out.println("Us ny + s1. Usn);
           3 yetem.ord. printle (" SEPA: "+ SI. SCIPA);
       4
                Enty student name:
 outfout:
                 Irachana
                 Enter USA student USN:
                 Enter masks for religient 1:
                 Enter maske for inlight?:
                 Enter marke for subject i:
                 Enta make jor rubjects:
                Enta make jet Lubject c:
                Enter marke Kut subject 7:
```

1 -2 1.6.75

```
Student Details;
Name: rachana
USN : 608
SGPA: 9,33333334
class ClanDemo
 private int a, b;
 int c,d; void setValue(int x, int y)
  a=xi
   P= 4;
        () sula V Enireg
   System.out. print de ("the values giner are In a= "a+" b= "+b+"
                        C="+0" d="+d);
    return(a+6+c+d);
     class Clas Demo-main
     public static roid main (8thing sw[])
      System.out. prindle ("c1 object:");
      Clars Demo (1= new Clars Demo();
       C1. set Value (1,2);
       C1. C = 3;
       c1.d= 4;
        C1. print Value ();
       System. out. print la ("c2 objed:");
       Class Demo (2= new Class Demo();
        (2) print Value (1)
        12. Let Value (11/2);
        12,C=13;
        cz. print Value (7;
```

marker for Luciet 9:

```
(laudemo (),
ClassDemo
            12 = new
C1. Let Value (1,2);
 C1. C = 3;
 c1.d=4;
 ci. print Value (1;
 System.out.printle ("cz object:");
 Class Deno (2 = new Class Deno ();
  C2. print Value ();
  (2. 11,12);
  c 2, c = 13;
   cz.d = 14;
   cz. print Value ();
    ClariDemo C3;
    C3 = C1;
     CI. print Value ();
     Clais Demo C3;
     C3 = C1;
      (1. print Value ();
      C3. prind Value();
      System.out.printly ("c) sum of values:" + (1. veturnSum())
     System.out.pr. utlen ("c2 lungt values:" + (2. vetursum());
     Systemout. printlu ("C3 sum of values:" + C3. vokousmi
      C3. set Value (10,20);
      System.out. println ("c/1 hum of values:"+c1. return Sun()
      System. out. printle (' (3 sam of values: 7 + (3. returnsun'i)
              C1 Object:
  outfut:
              the valuey given are
                 a=1 b=2 C=3 d/=4
              C2 objects:
              the value given are 0=0 b=0 l=0
                  values given ale
                                       d= 14
              the values given are a= 1 b= 2 c= 3
                                     d=14
```

```
sum
                 Values: 10
  CI
                 values: 50
              of values: 10
      Sum
                 values : 37
  CI lun
  13 sun of
                  Values /37
3) operators :-
   class Modules &
   public static void main (String arge[]) ?
    int x=41',
   double y=42.25;
Syxtem.ord.println(x mod 10 = " + x % 10);
Syxtem.ord.println("x mod 10 = " + x % 10);
    3 yetem.out.pr: when (" 7 mod 10 =" + 4% - 10);
     X=42;
    Y= + + x;
    System.out.printle ("x = " + x + " y="+ y);
    System.out.printh_("x = " + x +" y = " + y);
loyte ==== 64, b, b1;
    i= a << 2;
     b= (byte) (acc2);
     1= a < < 2;
     Bystem-out-print lu ("original value of a;"+a);
    System.out.printfa ("i and bi" +i+P" + 6);
    ind al = - 1;
    a1= a1>> 24',
    System. out. printle ("Value og a1: "+a1);
    a1 = -1;
     a1 = a1>>> 24
     System.out. printler ("value og a1:"+a1);
 output :-
             x mod 10=1
             4 mag 10 = 2.25
             y mod 10 = 1.0
             x = 43 Y= 43.0
             x = 43 y = 42.0
             Ohiginal value of a: 64
             i and 6:256 value of a1:-1
            value of 01:255
```