```
import jours util - boonner;
infront jours util . Arrays;
class student &
     String name,
      String USN;
      und [] readits;
      und [] imackes;
     Stadent (String your Name, String your USN, rint []
your Credits, int [] your Markes) &
           nome = youName;
            USN = youUSN;
            cardite: your Credits;
          mæles - youMarles;
     peeblic rint [] get lyrade Points (int [] marks trong) & int [] groode Points = new int [marks trong. highli]
        for lant i=0; i & marks throng. length 'g i++) {
             if [moules Array [i] >=90) &
               3 grade Paints[i]=10;
              else if (marks storray [i] >= 80) {
grade Poxists [i] = 9;
               eles if (moules tray[i] >=70) &
                     grade Points [i]=8;
               elex if (moulerstrong [i] >= 60) {
```

grade flouits [i]=7;

else if (marks strong [i] >= 50) &
grade Points [i] = 6; else el (noulestray [i] == 40) {

grade Points [i] = 5; grade Pourts [i] = 0; return gradePoints; public float calchrosy sun (int[] anytray) float rum = 0; for (int j=0; j = anythmay length; j++) { Sum + = onesteray [i] reteren seen ; public front calcicaPA (int [] redits throug, int[] mailee from) & int[] total Grade Points = new int [markershmay . length); unt [] grade Points Xrrang = get Grade Points (der Cent le-0; le c marles torray. leight, lett) {

```
front sunfrade Points = calc Array Sun (total
           GradePoints);
          float total Credits = calc Armay Sum (credits
             ¿ ( geowyk
          floot CGPA: seen Grade Points / total audits;
          return eaps;
   public void diep Details () &
      Segstem. out prientlin (" Name: " + name);
     Segstem. out. prientlin ("USN: ", USN);
      System out purth (" Gradits: " + Kroups. to String
     System.out. peutles ("Meules: "+ Arrays. to
                                 String (marks));
      System. out. println ("CGPA: "+ cale CGPA(
                                 cudits, weeks ));
closes Colculate CGPA &
    public static int [] get Array From String (String
      stringed Array ) &
         String [] string Values = stringed Horray. split (";")
        int[] away From String = new int [string Values.
                                lugth!;
        for (inti = 0; i = shing Values length; in) }
            array From String [i] = Jerliner. miles 1.+1
```

Les - coedits Array [k] *

grade Points Array [k];

```
sting Values [i]);
   return away From String;
public static void main ( String [] augs) &
   5 conver gd = new 5 conver (bysten. in);
   Septen out println ("Kuter mun students
     and mun subjects: ");
   int mun students = gd next (i);
   int num bulgicts = gd. next Sort();
  Student student List [] - new Student [num
   Students J;
  for (intk=0; k ~ men students & k++) {
    System. out. perintly L'Suter the details of shockent" + k + "(Noune, USN, Credets,
    student hist [k]: new btudent (gd, next Line
    (), gd. next Line (), get Array From String
    (gd. root Line ()), gd Agray from bling (gd.
System. out. pointlin ("IN * * * STUDENT
                            DETAILS ** (n');
for (int h=0; h= student (it, lugth; h++) {
    student List [ m]. dish Details ();
    System. out. peintln ("(n');
```

```
pranavsastry@Pranavs-iMac:~/Documents/00J-Lab/Lab 2$ compj CalculateCGPA
pranavsastry@Pranavs-iMac:~/Documents/003-Lab/Lab 2$ runj CalculateCGPA
Enter the number of Students and number of Subjects:
2 3
Enter the details of student 0(Name, USN, Credits, Marks):
Pranav Sastry
1bm19cs228
2,3,3
90,75,100
Enter the details of student 1(Name, USN, Credits, Marks):
Pran
1bm19ei037
2,3,3
60,70,50
**** STUDENT DETAILS with CGPA ****
Name: Pranav Sastry
USN: 1bm19cs228
Credits: [2, 3, 3]
Marks: [90, 75, 100]
CGPA: 9.25
Name: Pran
USN: 1bm19ei037
Credits: [2, 3, 3]
Marks: [60, 70, 50]
```

CGPA: 7.0