```
import jour utit. Scanner;
class Student
 Eprivate String USN?
private String name;
  private int seen,
void getstudentdæta()
 Scurner un= new Scarner (System.in);
 System.out. println ("Enter the USN of the student:");
USN= nn no.-+(1-
 USN= nu. next();
 System out prie the ("Enter the name of studenti");
 name = nu. next();
 System.out. printler ("Einter the sunestin: ");
 Sun=nn. nexthot();
void printstudentdata()
  System.out. printler ("Her name of the student is:"
  Systemout. prie the (" Jee USNI of the student is:"
                          + USN);
                         The senesteen of the studet
  System.out.prietln("
                         15: + seu) j
```

```
class Test extends Student
  private int ciel];
  private is r credits (3;
  prieste int n;
 void setsize (inten)
    ·n=wi
     cie = new in K(n);
    credits= new in + [n];
  void getciemarks()
   Scauner un = new Scauner (Systeen.in);
   System. out. printler ("Enter the credits and cie
                 works of each subject: ");
   int i;
   for (i=0; icn; i++)
    System.out. printler ("Enter the credits and
                  marks of "+(i+1)+"subject:");
    · Credits(i)= na. next Tut();
     cieli]= nn. mxt lud();
   int returnciementes (unti)
   { return cie[i];}
   intretum_credits (inti)
   { return credits (1); }
```

```
Class Exams extends Test &
     private int see [];
     private int n1;
    void setsize (cintur)
     ME res;
    See = new int (n1);
   Void getseemarks()
    Scanner nn = new Scanner (System. in);
    System-out printler ("Enter the see marks of
                        each subject: ");
    int 1;
    for (1=0; i<n1; i++)
      System out. printles ("Enter the see works
                     of "+(i+1)+ "subjects:");
     See(i] = un. mert dur();
   int return see works (inti)
    E return see Cisi
```

```
class Result extends Excuss
  private double result;
 private intn;
 Result ()
  Scenner nu= new Scenner (Systemin);
  Siptees-out. prudu ("Ente neuber of subjects: ");
   at i= nn. nertate);
    sursize (i);
    setsize 1(i);
    Set sie works ();
    get gieren aurhs (),
   void calculaterresult()
      result = 0;
      double temp=0;
      double total credits =0;
      for (ind i=0; Kn; i++)
       teep= teep+ yetmciewarks(i);
       temp= temp+ (returniementes(i)/2);
       total Exidits = total credits + return_credits(i);
       resul = result + (tempt return crielis(i)/100);
       tempetup=0;
```

P (( ))

```
result = (result/poted credits)*100;
Void pretresul (inti)
 Eysteen.out.prluther ("5GPA of the student "+ (i+1)+"
                       15: (set result);
public class Inherita
    public static void unain (string args(7)
    Scounes un = new Scenner (Systemin);
    System.out. prietles ('Enter he number of
                      5 kichis: ");
    int no nn. my tusc);
    Result Y[ ]= new Result(n);
   for (inti=0; icn; i++)
   Ex(i) = new Result);
     odij. calculatertsult();
   for (inti=0; i(n; 1++)
     xCi]. printiresell(i);
```