Date: / / 23/01/24 dat program - 6 Tuesde, Create a Backage CIE which has two classes - Student and Internals. The day Student his members like name was som. The class Internals derived from Student has an array that stores the Wernal meds scored in five courses of the current senester of the Student Create another package SFE which has the class External Which is a derived class of Student This class has an array that stores the SEE marks stored in five courses of the Cussest senester of the cludent. Import the two Bukages in a file that declares the final made of n studgets in all five courses. Backage GIF importjara. util: Scanner; Public class Student, protected String usn = new String (); protected string name = new string();
protected intsem; public void inputstindent Octails() Scanner Sc = new Scanner (System in); System out protle (" Enter the usn"); usn = Sc neatch; System, out, printly "Enter the name"); name = &C. next(); System out printly "Enter the senester"); Sen= (x, rextent(); } Bublic void displays Stodent Details () System. Dut printle (usn -- "4 usn); System antibrat (n("Name - "+ mame); System out printly "Semester - "+ sem);

Date: / /

```
import jama. utili scener.

fublic class Internals extends student [

Protected int martis [ = new int [ 5];

Buttie voil ingut a Emarks ()
        Lanners = new Scanner (Systemis);
         for (int i=0; ; < 6; 2+4)
         System. out println (" enter the marks of subject");

marks = s. next();
Backage SEE;
        inport CIE. Internals;
         inport Java. util. Scarner,
         public dass Externals extends Internals [
Brotistod int marks [];
              public Erlands () f

mands = new tot [5].
                spral Manks = now intlo];
bushic void input stemarks cif
 Pranner s = new Scamer (System.in),
 for (int i=0; i25; i+1) f

System out print "Subject" + (i+1) + "marks:").

marksfil = S. reskhtl); ] ]
```

papergrid Bullic void calculate Final Marks () for (int i=0; ils; it) finalmarks[i] = marks[i]/2 + super. marks[i]; public void displayfinalMarke() {

displaystudent Details () \$

for (int i = 0; 2.25; i++) System-out-println ("Subject"+ (i+1)+ ": "+ findranks(i); import SEE. external; class main s

Bublic static void main (string angel ?) it numofstræts = 2. Externals final ranks [] = rene Externals [neum of students]. for (int i=0; i/ numofstudents; i+) final Marks[i] = neno Externals(); final Markes [i]. input Student Details (); System. out. print(n("Enter CIE marks?); final Markes[i]. input (IEmarks (); System. out. println("Eller SEE marks:"); final Marks[]. ("put SEE parks(); System out protter ("Displaying date: \n"). for (inti=0; i (num gfstudents, i+4) final Marks[i]. a alculale Final Marks(); final Marks (i). displays and Marks (); All end of for loop

Date: / /

I gend of fulli main

Enter the war

IABC123

Enter the name

John Doc

Enter the semester

Enter CIE marks

Enter the marks of subject 1:80

Exter the marks of subject 2; 15

Enter the marks of subject 3; 90

Enter the marks of subject 4:85

Enter the marks of subject 5: 88

Enle Ste narks

Subject 1 marks: 85

Subject 2 marks: 82

Subject 3 marks: 78

Subject to marks: 90

Subject 5 marks, 88

Enter the usn

2×42456

Enter the name

Jove Doe

Enter the someter

papergrid Date: Enter CIE marks Enter the marks of subject 1, 75 Enter the marks of subjects, 80 Enter the marks of Arbject's: 92 Enter the marks of Subject 4: 28 Enter the makes of subject 5, St Enter SEE marks Subject 1 narks: 89 Subject 2 marks: 90 Subject 3 marks: 75 Subject of marks: 62 Subject 5 marks: 78 Displaying data: USn - - HABCI23 Name-- John Doe Semester -- 3 Subject 1: 102 Subject 2:108 Subject 3: 120 Subject 4: 127 Subject 5: 128 Usn -- 2xyz456 Name-- Jane Due Semester -- 3 Subject 1: 109 Subject 2: 116 Subject 3: 167 Subject 4: 170

Subject 5: 163