25/01/24

Note a package called Maths having the class salled Number (add and subtract method). Inglement a single class called Math Denno to use Maths make (adjide package Maths) that make dry of classes provided by make.

freate to package CIE which has two classes — Student and Internals. The plan student has premisers like even, name, sum. The class Arternals derived from should have are array that stores the Enternal marks surred in five Course of the current surresters of the student. Create another package SEE with his the class Faternal which is derived class of Muders. The class has an array the class Faternal which is derived class of Muders. The class has an array the stress the SEE marks surred in 5 courses of the current surveyer of the student.

In the surrent surveyer of the students in 5 courses of the current surveyer of the student in 5 courses of the current surveyer of the student in 5 courses of the students in 5 courses of the students of a students in 5 courses.

11 Student. j 2va

pade age CIE;

import jova-util. *;

public class student

protected string usn = new string ();
protected string hame = new string ();
protected int sam;

public void input student Details ()

System . cut. printle (" Enter student USN");

Wen = sc. next();

System . cut. printle ("Enter student name");

Rame = sc. next();

```
Julian. out. printle (" Enter remerter");
son = 10. hout Int ();
public void deploys rudent petails ()
  system.out. printler (" Student wn: " + wn);
 sylon. at. printer (" student name: " + name);
 system out printer (" student sumester: " + sum);
1 Intemple. java
package CIE;
import java. whil . + ;
public class Internals extends student
   protected ent marks [] = new Ent (5);
   public raid input CIEMAONS ()
      Danner oc = new Scanner (Agotem. in);
      for ("ht ": 0; " 25; "++)
            System. out. printle (" Fater 5 subject marks");
            mark [1] - 10. method ();
```

```
11 Etternal . java
package, Set;
inport CIE. Internals;
import jova. util. Francer ;
public clan External extends Internals
    protected int mark ();
    protected int finalmost [);
    public Faternals ()
         mark = nw int (5);
        fine Mark = now int (5);
     public void inputsermants ()
        Scanner 1c = New Scanner (System. in);
       for (int i= 0; i < 5; i++)
           Oystem. out. prinks (" Subject " + (i+1) + " marks: ");
           marketed = oconent to ();
    public void calculate final marks ()
      for (Ent 1=0; 1<5; 1++)
          final Mark [] = mark []/2 + suger-marks[];
 public void displayfinal Mark ()
       display Mislent Details ();
        for (int 8=0; 8 (5; i++)
```

```
Main Java
impat SEE. External
dan Main
  public static roid main (thing args())
     int nummer students = 2 ;
     External final Mark [] = New Faternal [rumo] muduli);
     for (int i= 0; i < numg/moders ; i++)
        final martifed. Exput (Frank ();
        final Mark [i] = new External ();
        final Marks ( ). Exput shown Actails ();
        Dystem.out. printen (" Finter (IE mark");
        final Mask [2] zing ut & (Emasks ();
        System. out. prouder (" Fortis SEF marks");
         final Marb ( ). EngutSEF marb ();
     System-out. pmkn ("Displaying data: |n");
     for least = 0; E < num of Moderate; E++)
         final mark(e) - calculate final mark ();
        final Masks (e). display Final Masks ();
```

& system out printer (" Subject " + (1+1) + ": " + final Morb (0);

Inter student win

1Bm 22 CS239

Enter shident name

Sanjana

Enter student semester

3

Enter at mark

Enter 5 marks : 39

Exter 5 marks : 38

Thirm 5 masks : 26

: 40 Fater 5 marks

: 36 Exter 5 marks

Ther SEE MANY

: 78 Subject 1 mark

Suject 2 mark : 89

Subject 3 marks : 90

Subject 4 mark : 87

Subject 5 marks

Enter student was

41m22cs240

Entre student name

Sanki

Enter opedent semuster

Firer UE marks

Enter 5 marks : 39

Fater 5 mosts: 30

Enter 5 marts: 30

Exter 5 marks: 30

SANTAMA SCRETH 18m22 (5239

Free mode [] show Evenue [] >

Wer 5 month : 25. pter At morals Sujects mark : 56. sujut 2 mark: 75 Suject 4 marks: 90 suject 5 marks: 92 Stoplaying data student name : Songana shout wn = 18M2205239 Muderl remeder = 3 Subject 1: 78 Suject 2: 82 bubject 3 = 71 lubject 4= 83 Subject 5 : 12 shidut name : Sanjana Audust aun : 1BM 22 CS 240 Student ownester : 3 Autject & = 77

SANJANA SURESH IBM 22 C (239

24/1/24