Lab 2 16/10/24.

2. Levelop Java Program do vuade is class student with members usn, name, an averay marks. Include methods to accept and edisplay editails and a method to calculate SEIFA of ia student.

Poug: import yava. will . scannor; was student &

laving usn, name; unt marchest J - new unt [81; int wudits[] - new unt [8]; idouble sopa:

int affective excerti-0, total-c=0;

weid cacupt-dut()

Scanner is = new Scanner (system. in);

System. out. printer (" Enter USN;");

usn = white s. next ();

System. out. printer ("Enter name:");

name = s. next();

System . went printer (Enter Marks & budits of 8 sub: "); yor (int i = 0; is; i++)

System. out . printer ("Sub"+i+":");

marks (i] = w. next9nt ();

weath (i) - s. next Int ();

double calc-sgpa ()

unt igrade;

ghady (mater

```
yor (who i=0; i'x 8; i'+1)
      igradi - (marks(i)/10)+1;
      if (grade - = 11)
            gradi -10;
       Also if (grade < 4) & survey -1.0; 3.
        escore + = (grade + wealts [i]);
        total-c+= wudits [i]:
      doubte agpa = (doubte) eacore / itotal c;
 suturn agpa;
world display ()
 System. out. printen ("Dutails: In Name: "+ name +" (n Usn: "usn);
 System . out . printin ("# Marks of Subjects;");
 for (int i:0; ix8; i++)
   System- out - print ("Sub" + (i+1)+":"+ marks (i ]+""):
  System. out. printer ("Sgpa:" + sgpa);
ulass studsgpa &
public static word main (string vargo [ ])
System. out printer ("Anu Sai Shrue RIN 18M2305045"):
        istud (J= new student C3);
yor (int i-0; i'c3; i+1)
   studici I - new student ():
   estud CiJ. accept - act ():
```

for (who i +0; ix3; i++) if I stud (i]. wall sgpa () = = -1.0) System out println (studij. name + " with usn: "+ studij. usn + : Sgpa not calculated: One Sub or 2 Fail; ulsa stud (i). display (): Output: Enter usn and name: 18M23CSIII Gun Enter subject Marks and coudits for 8 sub; Sub1: 99 4 Sub 2: 87 4 Sub 3: 90 3 sub 4: 86 3 Sub 5: 92 3 Sub 6: 67 1 wub 7: 95 1 Dub 3: 89 1 Details: Name: Sun Usn: 18M23 CS111 Marks of subjects: SUB3: 90 SUB4: 86 SUB6: 67 Sub1: 99 Sub3: 87 Sub 7: 95 Sub 8:89 Sgpa: 9.45.