Create a day students with members usu, name, away undits. Display details to a method to calculate SCIPA impost jara with Scamor; clan student & string von, name; int orcaits[], marke[]; and the state of t public void takeinput () Scanner scanner = new Scanner (system.in). System out printly (" Ente USN"); vsu= reconun, notline(); System out-pundly ("Entr name"); nume = scanner neutline(): System out puth(" & the fly fotal up of oudit"), int Hordite = sconur, next tut(); System out-putte (out flu up of subjeti"); cut numeros = scanner nent Int(); oudite = up int [nom subs] marke = new int [mm subs]; Jose (aut i=0; i < num subs; i++) System out printher (" Ente the up of vielet for subjet " oresite [i] = nent Iut (); System-out printh (" Edwith of mole for cubs + (i41)+); marks [i] = "next Int();

publicant give output () System out puth ("Name: "+ name); System.out. printla ("VSN: "+ VSU); System.out. printla ("Statest Subject détails"); 304(= 0, i < numeros; i++) System-out-printle (* Subject + su (i+1) + "- oradite "+ oredite [i] + "
morks "+ marks [i]); public double SGPA() l'double gradepoint=0; forclint=20; i < numeroles; i ++) A grad-point == calegrade point (marke [i]) ocedite [i]; notwer & gradepoints/ +# cred to; public double calcapadepoints (int marks) if (mals >=90) (0.0) notere } we if (mod >= 80 H mod (090) l sietore a.o. else if (moh >= 70 (moch (80) return 8.0; der if (mark) = 60 (4 mod < 270) { neturn 7.0; }

ela if (mal >= 50 & mol (060) (sictary 6.0;} Ma if (mah > = 40 db mal < 050) 1 nutur 5.0;] I sedon 0.0, public class mains public static void main (straig L) args) Student student = new Student(); student. takeinput (); student gire output(); double Stroppa = student. SGPA(); System out printly ("SGPA: 1.2)", sqpa);

Algorithm; STEP 1: START STEP 2: Storing usu, name int Smorth Thomas in STEP 3: take input name vsu, number of oudit, no of subjects in another method. take input STEPE (for (int i=0; i < nodems; i++) l pit (" Entre up of wedit for each subject"); oredit [i] = saum new Int(); prut (" Eute blu mak for sach subjet"); moultis = scann new Int(); STEP 4: viede a new mother give out put { System outpulle ("Noun" evan); System-out-path ("USN" + USN); forliso; i < modal; iti) (sydem od putt ("sub" (isi) " odt" + ordite [T+" male" + mal [[]; STEP = : inter a method SOPA { double grade port =0, foodi = o; i < moderni er) gradepoit = calignodepoits[mal [i]) * credit [i] out gradepoid

STEP 6: vicate method calegratepoint (in mark) (if (marker >200) netwer 16 also if (man) for sole crao netury 9 der if (marly 70 & < 80) return & also if (mal) = (0 b < 70) alor if (mod > = 50 bx 60) retory 86 du if (mal) = no b(50) Student student = new study () student-gircouput(); student tolk input (1) Louble sapa: student. StopA (1)

too toot. START. STATE OF THE STATE Output. Eut mark for unb 5 Euter usu: 1BM2202004 Ent west for enter Eute name: abhinar Ente no of victiti. Ext mal for sub. Ente viedet for end; Ent west for mb 7 Eut words for sub 7 But mark for mb 1 Entre credit for subs Eath redit for sub 2 8 dus not low to 8 Ente mal for sub 2 Ent wedt for sub 3 Name: allinger Eut mart Jos sub3 USM: BM22CEOOH Sub details Sub condit a mal 21 Ent oredit for suby sto 2: oredit a mal 75 marh 82 Sub 3: orditu but mad for ruby mal 72 Sub q: oredity 3 mal 59 Subs: oredit 3 Ent viedit for subs mal 80 sub 6 ordita .

subs: credt, mark 89 SGPA: 8.32 Aiza 1/2/23

```
C:\java lab>java Student
Enter name of student
abhinav
Enter USN
1
Enter Credits and marks
For subject1
4
50
For subject2
4
59
For subject3
4
100
For subject4
3
68
For subject5
3
66
SGPA of student is:7.22222222222222
Name of student:abhinav
USN:1
For subject1
Credits:4
Marks:50
For subject2
Credits:4
Marks:59
For subject3
Credits:4
Marks:100
For subject4
Credits:3
Marks:68
For subject5
Credits:3
Marks:66
1BM22CS004 ABHINAV INAMDAR
```