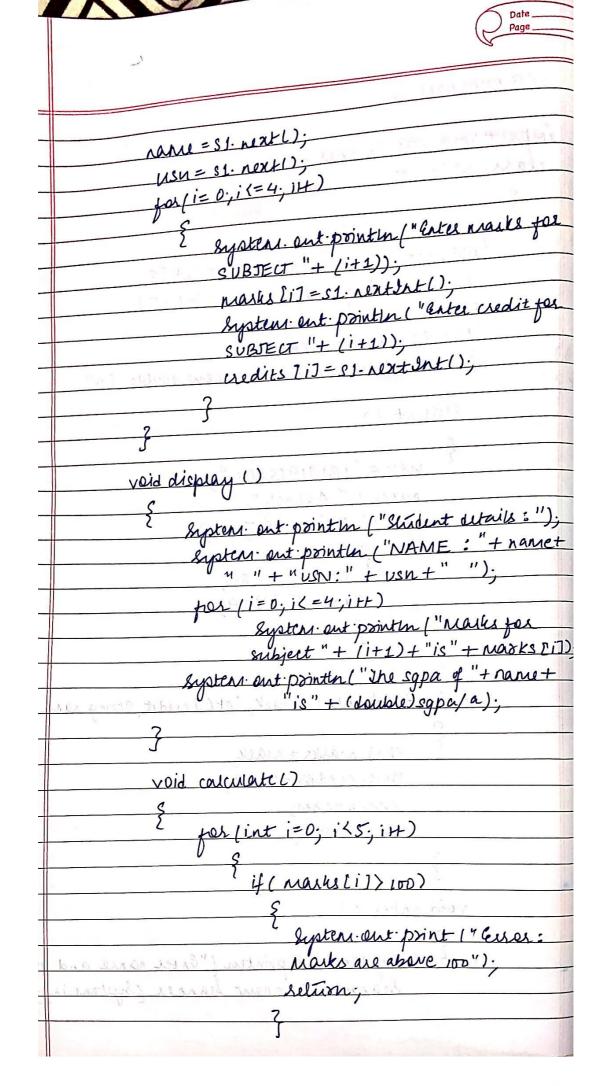
	LAB PROGRAM 2
	import java-util. Sanner;
	class Shident
	5
	private int i,a.
	Daivate int and aster 2
	private int credits []=new int [5].
	privale int points ?] = new int [t].
	private string name ven.
88	private double agpa.
	private double marks []= new double [5].
	Student ()
	§
# P	2 nsn = "1BM19(5001"; with high
1	name = " Aakash".
	for [int i=0; i(5; 14)
1	SMARK + = = MAIN SMITHING THE NATION
	marks[i]=80.
	redits [i]=4.
	Survey Cot Swinter Frankle Lox
	(17 24 x CAN + " 2" + (1+1) + " + MANYER)
	temper " & post off " Interior my nature"
	Student (double [] mark, int [] credit, String ram, Stringus
	C
1	this masks = malk,
	this credits = cudit;
	rame = ram;
	us us n=ns.
	7
	J Charactel January &
	void enter ()
/	- 10 20 3" 1 - C 18 C 17 10 1 A 2 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2
/	E Sustem out: pointin / "anter rance and usn").
/	System out: pointin ("later rance and usn"); Scanner S1 = new Scanner (System in);



```
Student1 - Notepad
                                                                                                                                                                                                                                                                                                                                                                     - 0
File Edit Format View Help
import java.util.Scanner;
class Student
   private int i, a;
private int credits[]= new int[5];
private int points[]= new int[5];
private String name, usn;
private double sgpa;
private double marks[]= new double[5];
    Student()
            usn="1BM19CS001";
name="Aakansha";
for(int i=0;i<5;i++)
                    marks[i]=80;
credits[i]=4;
   }
    Student(double[] mark, int[] credit, String nam, String us)
                                                                                                                                            //Parameterized constructor
               this.marks= mark;
              this.credits= credit;
name= nam;
usn=us;
   }
              System.out.println("enter the name and usn of the student");
Scanner s1= new Scanner(System.in);
name= s1. next();
usn= s1. next();
for(i*0;i<=4;i++)
{
System.out.println("enter marks for SUBJECT" + (i+1))
                               \label{eq:system.out.println("enter marks for SUBJECT" + (i+1) ); $ \max\{i] = s1.nextInt(); $ \text{System.out.println("enter credit of SUBJECT" + (i+1) ); } $ \text{creditsfile s1 nextInt()}. $ \end{aligned}
                                                                                                                                                                                                                                                                        Ln 40, Col 56
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                                                                                                                                                                                                                                                                                                                                                                      UTF-8
```

```
Student1 - Notepad
File Edit Format View Help
             }
   }
    void display()
                 System.out.println("Student details:");
System.out.println("NAME:" + name + " " + "USN:" + usn + " ");
for(i=0;i<=4;i++)</pre>
                             {
    System.out.println("marks for subject " + (i+1) + "is " + marks[i]);
                 System.out.println("The sgpa of " + name + "is" + (double) sgpa/a );
   }
   void calculate()
{
              for(int i = 0;i<5;i++)
{
   if(marks[i] > 100){
        System.out.println("Error: Marks are above 100");
        return;
}else if(marks[i] >= 90){
        points[i] = 10;
}else if(marks[i] >= 80){
        points[i] = 9;
}else if(marks[i] >= 70){
        points[i] = 8;
}else if(marks[i] >= 60){
        points[i] = 7;
}else if(marks[i] >= 50){
        points[i] = 5;
}else if(marks[i] >= 40){
        points[i] = 4;
}else{
        points[i] = 0;
}
                   for(int i = 0;i<5;i++)
                      sgpa += (points[i]*credits[i]);
a = credits[i] + a;
                                                                                                                                                                                                                                                                     Ln 36, Col 19
                                                                                                                                                                                                                                                                                                               80% Windows (CRLF)
                                                                                                                                                                                                                                                                                                                                                                     UTF-8
```