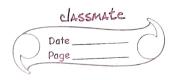
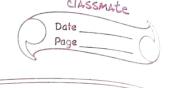
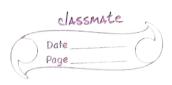
Carl 1	Week-7 (Extra Programs)
1.	import java. util. Scanner; class Student ?
	class Student
	String USN, name,
	int sem; Scanner Sc= new Scanner (System.in); Void set Stu Details () {  System.out. print In ("Enter USN of Student:")
	void set Stu Details () ?
	System. out. print la [ Enter USN of Student: ]
	this. USN = sc. next Line ():
	System, out printly Enter name of student.
	- LA C
	System. out. println ("Enter Semester of Student: ")
	this.sem = sc.nextInt();
	7
	void get StuDetails () }
	System out print In ("USN: "+ this. USN);
	System.out. print In ( Name: "+ this. name);
	System.out.println("Semester: "+ this.sem);
	class Test extends Student ?
	double cieMarks = new double [5];
	int credits[] = new int[5];
	int total Credits = 0;
	void set Cie Details () {
	for (int i=0; i < cie Marks. length: i++) }
	System. out. println ("Enter CIE marks (50)
	for (int i=0; i < cie Marks. length; i++) {  System.out.println ("Enter CIE marks (50)  in course" + (i+1)+": ");
	cie Marks[i] = Sc.nextDouble();



System.out. println ("Enter credits of course" + (i+1)+": "): credits[i] = sc. next Int (); total Credits + = credits[i]: class Result extents Exam ? charge Exam extends Test char grades [] = new char [5]; double sapa = 0; int points[] = new int[5]; void calcsorpal) { for (int 1=0; i<5; i++) { if (total Marks[i]>100) } System.out. println ("Error: Marks are above 100") else if (total Marks[i]>=90) { points[i]=10; else if (total Mark [i]>=80) point (i) = 9; else if (total Mark[i]>=70) { point [i]=8; else if (total Marks [i] =60) points[i]=7;



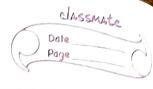
else if (total Marks >= 50) { points =[i]=5; ) etse else if (total Marks >= 40) { points [i] = 4; else ? points [i]= 0. Sapa+=(points[i] \* credits[i]); void calcGrade () { for (int i=0, i<5; i++) { if (total Marks [i]>100) { System. out. println ("Error: Marks else if (total Mark [i] >= 90) } grades [i] = 's'. else if (totalMarks[i]>=80) { grades[i] = A. else if (total Marks[i]>=70) { grades[i] = 'B': else if (total Marks [i] >= 60) { grades[i] = 'c'.



else if (total Marks[i] >= 50) { grades [i] = 'D'. else if (total Marks >= 40) { grades[i]='E'; grades [i]='F'. stem. out. format ("SGPA is 1.28",
(Sgpa/total Credits)); void get Grades () for (int i=0; i<5; i++) {

System.out.println ("In Subject"+(i+1)+

";"+ grades[i]); class Prog1 } Scanner SC = new Scanner (System.in); System.out. println ("Enter number of Students"); n = sc. next Int(); n= sc. next Int (). Result results[]= new Result[n];



```
for (int i=0; i<n; i++) {
       results [i] = new Result ();
       results [i]. set Stu Details();
        results [i]. set Cie De tails ();
        results [i]. set See Details ();
         results [i]. calcSGPA();
         results [i]. calcGrade();
         results [i]. get SGPA();
results [i]. get Grades ();
class Exam extends Test?
    double see Marks[]= new 3 double [5];
   double total Marks[] = new double [5];
    int total Credits = super. total Credits;
    void set See De tails () ?
    for (int i=0; ix cie Marks. length; i++) } }
         System.out.println ("Enter SEE marks(100)
in course" + (i+1) +":");
          seeMarks[i] = sc. next Double ()/2;
      che Calc Total Marks ().
  void calc Total Marks () {
      for (int i=0; i<5, i++)
          total Marks[i] = cie Marks[i] + see Marks[i];
```