| | 1BM19CS008 |
|--------|---|
| | Aishurange.V |
| 27/10 | Week \$ 7 |
| 1) | Class Student + -> variables -> usn, name, sem. |
| derive | |
| | course and corresponding credits in another array. |
| | Exam from test -> array of see marks |
| | Class Result -> to colc grade for each course and SGPA. |
| | 1 Student Objects and display details. |
| A) | class Student |
| | { |
| | Stoing usn, name, sem; |
| | wid readname() |
| | Entrant in provide die |
| | Scanner SS = new Scanner (System.in); |
| | usn = ss. next(); |
| | hame = SS. next(); |
| | Sem = ss. next(); |
| | 3 (() () () () () () () () () |
| | Class test extends students |
| | { |
| | înt n, i', |
| | double cie[] |
| | int credita[]; |
| | void read marks () |
| | { |
| | System-out. println ("enter no. o conesa"); |
| | Scanner ss = new Scanner (System in); N=SS. Newt Int (); |
| | n=ss.nextIntc); |

Scanned with CamScanner

```
Page (
                                                                                                                    Page ____
                                                                     Chis result extends exam
    Cie = New double[n];
   System out printle ("enter cie and credits");
   credity = new but [n],
                                                                      float result;
                                                                      int Score[] = new int[n+1];
   for ( i=0; i < n ; i++)
                                                                      void calc()
     cie[i]= ss. nextDouble()',
                                                                         that float sum=0, sumc=0;
       ordits[i]= ss. next Int();
                                                                         for ( i=0; i<n', i++)
                                                                           double z = ciefi] + (see[i]/2),
                                                                                  if (z>=90)
Seore[i]=10;
class exam extends test
                                                                                  du if (2 > = 80)
  double see[];
  Void readsee ()
   System out pointly ("enter see noaks");
Scanner SS = new Scanner (system.in);
                                                                          Sum = = score [i] * credits [i],
                                                                            Sum c + = credits [i];
   See = new double[n];
   for(i=0;icn;i++)
                                                                        result = sum/sumc;
        sec[i]= Ss. next Double();
                                                                       Void display()

Systm.out. printh( 'name = "+ name = "wsper + won + 'sem = sem + sepa" + sent);
```

classmate 2) Class Player - name, matches - played, avg. - has abstract method cal_average (string, int int) I public Static void main (String args []) 5 systement. pointly ("outer no. of students"); - guns-scored Scanner Scanner (System.in) Bowler - runs -given m botsman, n bowher objects. Cole and display ong int x=ss. hertint(); runs scord by each Botsman and any given by bonder. result rus[] = new result[2], class player abstract float y', tor(i=0; icz; i+) String name; int matches - played; su [i]=ner sesult(); Systement, printly ("enty wer name sem"); double arg; cal_average (strings, int m, int r)', Res[i] = Readname 1); ses[i]. seadhearts(); extends Player sus[i]. suadree (); Class Batsman res[i]. colc(), int runs_scored; System, out. pointly ("the details are"); void cal-averge (Strings, int m, int o); ses[i]. diploy(); { name = s', matches played = m; suns _scored = v', ang = suns _ scord /matches played; Systement. pointh ("Ang - "+ang);

