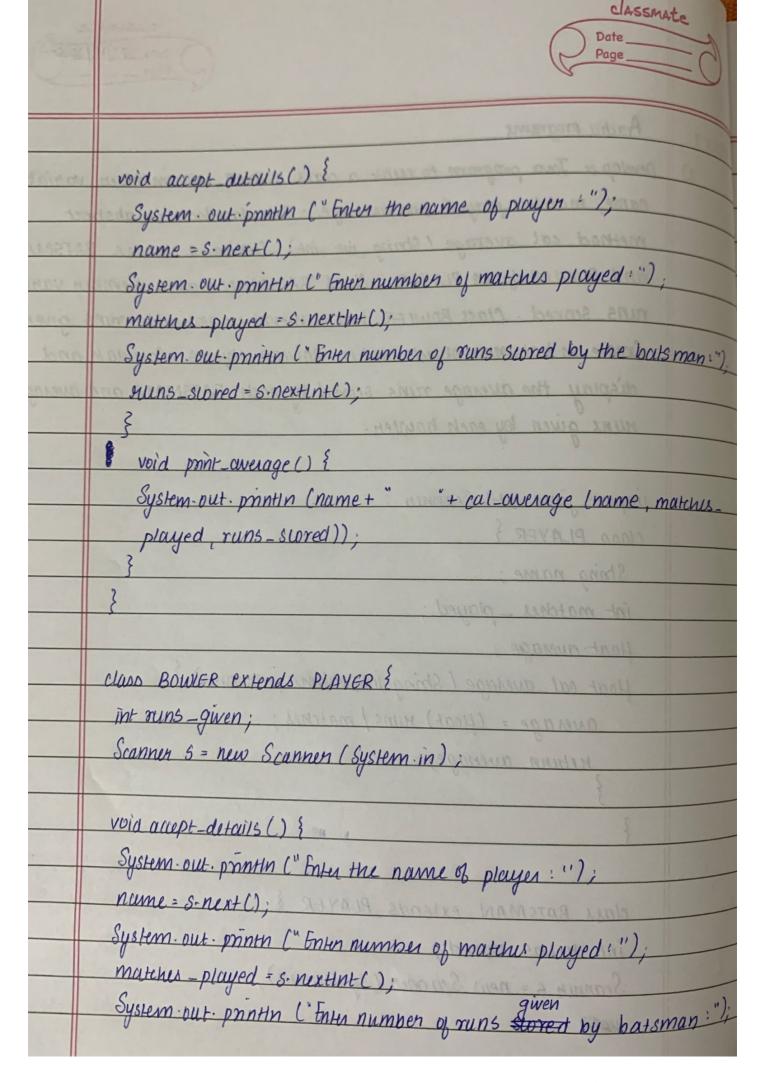
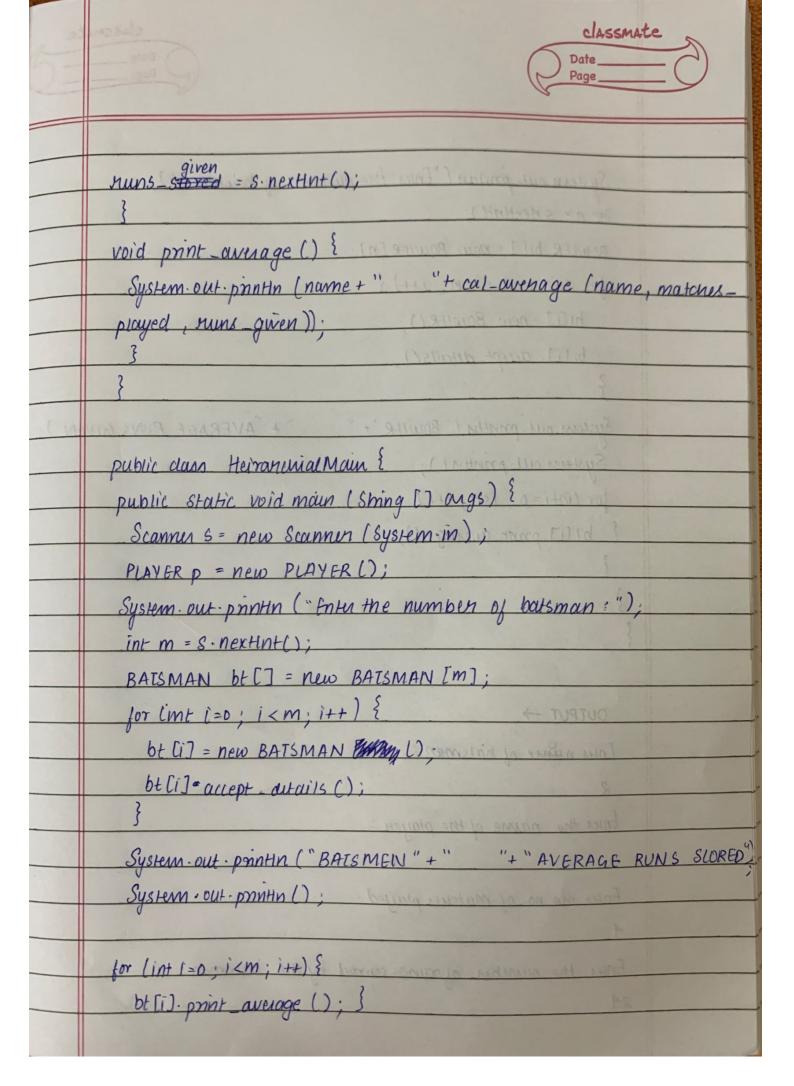
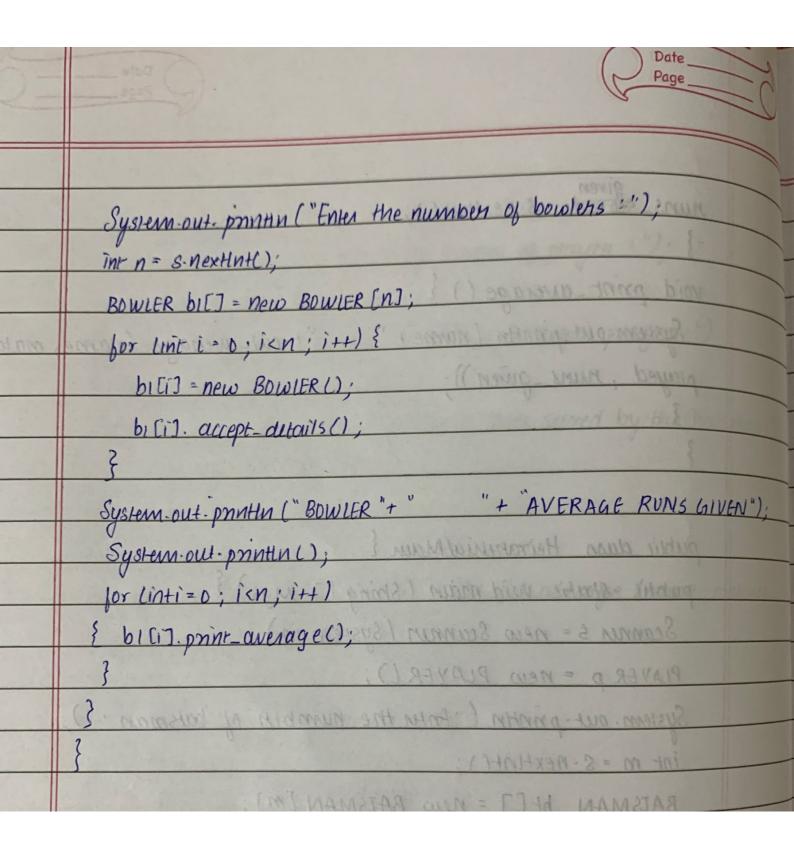


| 0=      | Page   |
|---------|--|
| IEEK7:  | Practice programs  |
| 2)      | Develop a Java program to chak a class PLAYER with member variables name, matches-played and average. This class has an abstract method cal_average. (String_int_int). Denive a classes BATSMAN and Bowler from PLAYER. Class BATSMAN has a member variable runs_scored. Class Bowler has a member variable runs_given.  |
|         | Create m batsman objects and n BOWLER objects . Calculate and  |
|         | display the average runs sweed by each BATSMAN and overage   |
|         | runs given by each bowler.   |
| Another | import java · util· Scamer;  |
|         | CLASS PLAYER {   |
|         | String name;   |
|         | int matches - played;  |
|         | Hoat average;  |
|         | Hoat ral_average (String, int, nathones, int runs) {   |
|         | average = Cfloat) runs/matches;  |
|         | suturn average; }  |
|         | } () Should reason that  |
|         | The sound to some a set way a survey of warmer of  |
|         | class BATSMAN extends PLAYER {   |
|         | int runs_stored;   |
|         | Scanner 6 = new Scanner (System.in);   |
|         | William Commence of the Commen |
|         |  |

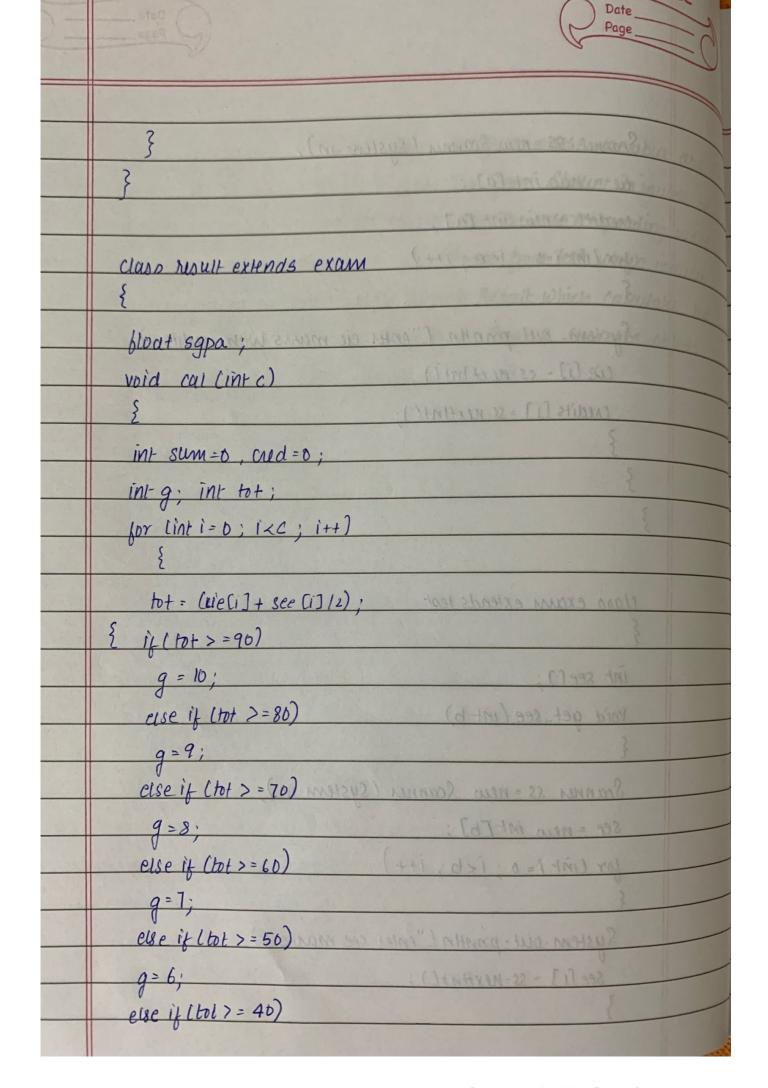






| 1 6) | Develop a java program to quate a class Test from Student to include a usn, name and sem. Derive a class Test from Student to include a analy of cie manks of each course and their corresponding and in another analy. Derive an as class Exam from test which includes in another analy. Derive a class Result Which Calculates the grade for each course and the SCAPA. Creaken Students objects |
|------|---|
|      | and display all the above details.  |
|      | and display of the total  |
|      | imana iana nul-Caannes:   |
|      | import java util-Scanner; clase prudent {   |
|      |   |
|      | String usn, name;   |
|      | void imput (String u. String n. int s)  |
|      | C   |
|      | 1 USN = U;  |
|      | name = n;  sem = s;   |
|      | sem-s,  |
|      | }   |
|      |   |
|      | al last repeats are the state of  |
|      | Class test extends student  |
|      |   |
|      | int al in (50 hm)   |
|      | void get- cie lint n)   |
|      |   |

```
Scanner SS = new Scanner ( System in);
 ae = new int [a];
 credits = new int [a];
 for (int i=0; ixa; i++) minya zwastya muzek mas
 System- out-printin ("enter cie marks with rudits"),
  cie [i] - ss-next In+();
  credits [i] = SS-NextInt();
class exam extends test
int see ();
void get_see (int b)
Scanner SS = new Scanner (System-in),
see = new int[b];
for cinti=o; icb; i++)
 System. out. printin l'enter see marks ");
 see [i] = ss-nextint();
```



```
sum+ = 9 * cudits (i);
 rud+ = rudits (i);
 8gpa = (float) sum/ (float) cred ;
void display ()
{ System.out-printf ("T.225 1-225 Y.22d T.22f \n", usn, name,
                    (M) sem, sgpa);
 public static void main (string asgs [7) {
 Scanner SS - new Scanner (System.in); ("Dages" " Mage"
System. out. println ("enter no. of students");
 int n = SS. nex +(n+();
result [] res = new result [n];
Smig u, nam;
for lint i=0; i<n; i++)
```

```
System. out. println (" - - - enter delails of student"+(i+1)+"
 System-out-printin ("enter usn and name"),
  u = ss. nextInt();
 name = ss. next();
 System. out. pmntln ("enter sem");
 S=SS. nextIn+(); (has (+only) (+only) (+only) = many
System-out-printly ("Enter no. of courses");
 int nn = Sc. nextInt ();
 rust [i] = new rusult ();
 res [i] = input (u, nam, s);
 res[i] get ie (nn);
  res [i] get see (nn);
 res [i] · cal (nn);
System-but println ("ItItIt -- -- student details --- ");
System. out-pnnt ("1-225 1.225 1.225 1.225 1.225 \n", "usn", "name",
"Sem", "89pa"); (Mi mass) who made alone > 100000)
           SUPERM - DUT - DOWNER IN ON ETH HOMES
for Cint i=0; i<n; i++)
ses (i)-display ();
```