LAB -7 PRACTICE PROGRAMS

PROGRAM 1:

INPUT:

```
File Edit Selection Find View Goto Tools Project Preferences Help
         import java.util.Scanner;
         class Student
               String usn;
              String name;
               int sem;
              Scanner ss = new Scanner(System.in);
               void accept1()
                    \label{thm:cont.println} $$System.out.println("\n<---->\n"); $$System.out.println("Enter the Student USN :"); $$
                    usn = ss.next();
System.out.println("Enter the Student NAME :");
                    System.out.println("Enter the SEMESTER of the Student :");
sem = ss.nextInt();
                     System.out.println("\n<----->\n");
         class Test extends Student
               int cred[];
               int cie[];
int i;
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               void accept2()
                    System.out.print("Enter the number of subjects : ");
                    cred = new int[n];
cie = new int[n];
System.out.println("\nEnter the Credits and CIE Marks in each of the "+n+" Subjects :\n");
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                         System.out.print("Enter the Credits of Subject "+(i+1)+" : ");
cred[i] = ss.nextInt();
System.out.print("Enter the CIE Marks scored in Subject "+(i+1)+" : ");
cie[i] = ss.nextInt();
                          System.out.println();
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          class Exam extends Test
               int see[];
int i;
               void accept3()
                     see = new int[n];
                    System.out.println("\nEnter the corresponding SEE marks of each of the "+n+" Subjects :\n"); for (i = 0; i < n; i++)
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                          System.out.print("Enter the SEE Marks scored in Subject "+(i+1)+" : ");
                         see[i] = ss.nextInt();
               char grade;
               float total;
               int totcred;
               int mks[];
int gp[];
               float sgpa;
                    mks = new int[n];
gp = new int[n];
total = 0;
totcred = 0;
for(i = 0; i < n; i++)</pre>
                         mks[i] = (see[i] / 2) + cie[i];
if (mks[i] >= 90 88 mks[i] <= 100)
                          if (mks[i] >= 90
gp[i] = 10;
```

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(mks[i]
                                  gp[i]
                                         (mks[i] >=
                                 gp[i] = 8;
e if (mks[i] >= 60)
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                                 gp[i] = 7;
ge if (mks[i] >= 50)
gp[i] = 5;
se if (mks[i] >= 40)
                                gp[i] = 4;
                                  gp[i] = 0;
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                           total += ((float)gp[i] * cred[i]);
totcred += cred[i];
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                      sgpa = (total / totcred);
                     ·---->\n");
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         class Studentmain
                     Scanner ss = new Scanner(System.in);
System.out.println("\nEnter the number of students :");
int n = ss.nextInt();
Result s[] = new Result[n];
for(int i=0;i<n;i++)</pre>
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                           s[i]=new Result();
s[i].accept1();
s[i].accept2();
s[i].accept3();
                           System.out.println("\n<------STUDENT "+(i+1)+" DETAILS----->\n");
s[i].compute();
```

OUTPUT:

```
Command Prompt
C:\Users\91944\OneDrive\Desktop\OOJLAB\Lab_7>java Studentmain
Enter the number of students :
<----> DETAILS---->
Enter the Student USN :
111
Enter the Student NAME :
Shyam
Enter the SEMESTER of the Student :
Enter the number of subjects : 2
Enter the Credits and CIE Marks in each of the 2 Subjects :
Enter the Credits of Subject 1 : 4
Enter the CIE Marks scored in Subject 1 : 48
Enter the Credits of Subject 2 : 5
Enter the CIE Marks scored in Subject 2 : 49
Enter the corresponding SEE marks of each of the 2 Subjects :
```



PROGRAM 2:

INPUT:

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C:\Users\91944\OneDrive\Desktop\OOJLAB\Lab_7\Playermain.java - Sublime Text (UNREGISTERED)
                                                                                                                                                                                                                                                                                                                                                                                                       ð
 File Edit Selection Find View Goto Tools Project Preferences Help
                                                                                                                                                     × Studentmain.java × Playermain.java
                 import java.util.Scanner;
                          String name;
int matches_played;
double average;
void accept1()
{
                                    Scanner ss = new Scanner(System.in);
System.out.println("Enter the NAME :");
name = ss.next();
System.out.println("Enter the NUMBER OF MATCHES played : ");
matches_played = ss.nextInt();
                           int runs_scored;
void accept2()
{
                                    Scanner ss = new Scanner(System.in);
System.out.println("Enter the NUMBER OF RUNS SCORED : ");
runs_scored = ss.nextInt();
average = (double)(runs_scored) / matches_played;
System.out.println("\n-----The AVERAGE RUNS SCORED by the batsman is : "+average+"-----\n");
                  class BOWLER extends PLAYER
                           int runs_given;
int runs_given_sum = 0;
void accept3()
{
                                    Scanner ss = new Scanner(System.in);
System.out.println("Enter the NUMBER OF RUNS GIVEN away : ");
runs_given = ss.nextInt();
average = (double)(runs_given) / matches_played;
System.out.println("\n----The AVERAGE RUNS GIVEN AWAY by the bowler is : "+average+"-----\n");
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                           public static void main(String[] args)
{
                                   Scanner ss = new Scanner(System.in);
System.out.println("\nEnter the number of BATSMEN :");
int m = ss.nextInt();
System.out.println("Enter the number of BOWLERS :");
int n = ss.nextInt();
BATSMAN bat[] = new BATSMAN[m];
System.out.println("\n<----ENTER BATSMEN DETAILS-----\n");
for(int i=0;i<m;i++)
                                             bat[i] = new BATSMAN();
bat[i].accept1();
bat[i].accept2();
                                    }
BOWLER bowl[] = new BOWLER[n];
System.out.println("\n<-----ENTER BOWLERS DETAILS----->\n");
for(int i=0;i<n;i++)
                                             bowl[i] = new BOWLER();
bowl[i].accept1();
bowl[i].accept3();
```

OUTPUT:

```
Command Prompt
C:\Users\91944\OneDrive\Desktop\OOJLAB\Lab_7>java Playermain
Enter the number of BATSMEN :
Enter the number of BOWLERS :
<-----
Enter the NAME :
Dhoni
Enter the NUMBER OF MATCHES played :
200
Enter the NUMBER OF RUNS SCORED :
20000
----The AVERAGE RUNS SCORED by the batsman is : 100.0-----
Enter the NAME :
Virat
Enter the NUMBER OF MATCHES played :
175
Enter the NUMBER OF RUNS SCORED :
18375
-----The AVERAGE RUNS SCORED by the batsman is : 105.0-----
<----->
Command Prompt
<----->
Enter the NAME :
Yuzi
Enter the NUMBER OF MATCHES played :
Enter the NUMBER OF RUNS GIVEN away :
----The AVERAGE RUNS GIVEN AWAY by the bowler is : 11.1-----
C:\Users\91944\OneDrive\Desktop\OOJLAB\Lab_7>
```