

Name : Esha Patel
Roll number : 19BCE169
Course : Object Oriented Programming
Course name : 2CS302
Date : November 20, 2020

Comprehensive Definition:

Instructions:

1. Assume suitable data /information if required.

Develop the Java program for the continuous evaluation (CE) mark-sheet portal as mentioned below:

- Bifurcation of CE component:

	Class Test	Sessional	Innovative Assignment	Total	Constrains to clear the CE component
Marks	30	40	30	100	Minimum 40% of marks is mandatory to clear the CE component

- Data/attributes for portal:
 - RollNo, CourseCode, ClassTestMark, SessionalMark, InnovativeAssignmentMark, Semester
 - i.e. 19BCE999, 2CS302, 20, 10, 25, 3
- The portal has following functionalities:
 - Add mark functionality for each component
 - Delete and update mark functionality for each component
 - Display mark functionality for each component RollNo-wise
 - Scan semester from user and generate report for course-wise component-wise failure student list.
- You have to use multi-dimesional array, inheritance and exception handing concepts compulsory. You may use other concepts of Object Oriented Programming if required.

Java Program File:

Name of file: 19BCE169_Oop_Comrehensive.java

File Purpose: This program file store the student continues evaluation marks and give options to the users that he/she can add student marks, delete student marks, update it and display it and also display course-wise pass or fail student list.

Java file code:

```
//19BCE169
//Esha Patel
//OOP Comprehensive Assignment
import java.util.InputMismatchException;
import java.util.Scanner;

class Student
{
    int sem;
    String rollno;
    int[][] marks;
    static String[] courses = new String[20];

    public Student()
    {
        this.marks = new int[4][Student.courses.length];
    }
    public static void Displaystudentmarkarray(Student[] students)
    {
        int count = 0;
        int snum = 1;
        for (int i = 0; i < students.length; i++)
        {
            if (students[i].rollno != null)
            {
                System.out.print("\n[" + snum++ + "].ROLL
NUMBER: " + students[i].rollno);
                System.out.print(" | SEMESTER: " + students[i].sem);
                System.out.print("\n\tCOURSES:\t");
                for (int j = 0; j < Student.courses.length; j++)
                {
                    System.out.printf("%-10s" , Student.courses[j]);
                }
                String[] components = {"CT", "SE" , "IA" , "Total"};
                for (int c = 0; c < students[i].marks.length; c++)
                {
                    System.out.printf("\n\t%7s: \t" ,
components[c]);
                    for (int j = 0; j < Student.courses.length; j++)
                    {
                        System.out.printf("%-10s" ,
students[i].marks[c][j]);
                    }
                }
            }
        }
    }
}
```

```

        }
        System.out.println("\n");
    }
    else
    {
        count++;
    }
}

if (count == students.length)
{
    System.out.println("\nNO STUDENT DETAIL FOUND!");
}
}

public static void printmarks(Student[] students, int sem, int
min, int max)
{
    for (int j = 0; j < Student.courses.length; j++)
    {
        System.out.println("\nCOURSE: " + Student.courses[j]);
        System.out.print("ROLL NUMBER: ");
        for (int i = 0; i < students.length; i++)
        {
            int m = students[i].marks[3][j];
            if (students[i].sem == sem && m >= min && m <= max)
            {
                System.out.print(students[i].rollno + "\nTOTAL
MARKS: " + m);
            }
        }
    }
}

class MARKSHEET extends Student
{
    public static void main(String[] args)
    {
        int MAX = 20;
        Scanner sc = new Scanner(System.in);
        Student[] students = new Student[MAX];
        Student s = new Student();
        System.out.println("\n*****CONTINUOUS EVALUATION (CE) -
MARK-SHEET*****");
        System.out.println("-----");
        System.out.println("ENTER ALL THE COURSE CODE FOR THIS MARK-
SHEET, in one line (e.g. 2CS301 2CS302)");
        System.out.print("COURSE CODE(separated by space): ");
        String code = sc.nextLine();
        String[] courses = code.split(" ");
        Student.courses = courses;
        for (int i = 0; i < students.length; i++)
        {
            students[i] = new Student();
        }
        while (true)
    }
}

```

```

{
    System.out.println("1:CREATE MARK-SHEET PORTAL");
    System.out.println("2:USE MARK-SHEET PORTAL");
    System.out.println("0:EXIT");
    int option;
    while (true)
    {
        try
        {
            System.out.print("\ninput: ");
            option = sc.nextInt();
            if (option < 0 || option > 2)
            {
                throw new InputMismatchException();
            }
            break;
        } catch (InputMismatchException e)
        {
            System.out.println("\nERROR!!! NO SUCH INPUT!.
ENTER VALID INPUT ...");
            sc.nextLine();
        }
    }
    if (option == 1)
    {
        sc.nextLine();
        while (true)
        {
            System.out.println(" 1: ADD STUDENT DATA");
            System.out.println(" 2: UPDATE STUDENT DATA");
            System.out.println(" 3: DELETE STUDENT DATA");
            System.out.println(" 4: DISPLAY STUDENT DATA");
            System.out.println(" 0: exit");
            int Opt;
            while (true)
            {
                try
                {
                    System.out.print("\n----->: ");
                    Opt = sc.nextInt();
                    if (Opt < 0 || Opt > 4)
                    {
                        throw new InputMismatchException();
                    }
                    break;
                } catch (InputMismatchException e)
                {
                    System.out.println("\nERROR!!! ENTER
VALID CHOICE...");
                    sc.nextLine();
                }
            }
            if (Opt == 1)
            {
                int index = -1;
                for (int i = 0; i < students.length; i++)

```

```

        {
            if (students[i].rollno == null)
            {
                index = i;
                break;
            }
        }

        if (index == -1)
        {
            System.out.println("\nMARK-SHEET CAN'T
STORE MORE THEN " + MAX + " STUDENT!");
            System.out.println("PLEASE DELETE ONE
STUDENT DATA TO ADD NEW STUDENT");
        }
        else
        {
            sc.nextLine();
            System.out.print("\nEnter ROLL NUMBER OF
THE STUDENT: ");

            students[index].rollno = sc.nextLine();
            System.out.print("SEMESTER: ");
            students[index].sem = sc.nextInt();

            String[] components = {"class test",
"sessional exam", "innovative assignment"};
            for (int i = 0; i <
Student.courses.length; i++)
            {
                for (int j = 0; j <
components.length; j++)
                {
                    System.out.print(components[j] +
" MARKS IN COURSE " + Student.courses[i] + ": ");
                    students[index].marks[j][i] =
sc.nextInt();
                }

                students[index].marks[components.length][i] = (int) (0.3 *
students[index].marks[0][i] + 0.4 * students[index].marks[1][i] +
0.3 * students[index].marks[2][i]) + 1;
            }

            System.out.println("\nNEW STUDENT DATA
ADDED SUCCESSFULLY!");
        }
    } else if (Opt == 2)
    {
        sc.nextLine();
        System.out.print("\nEnter ROLL NUMBER OF THE
STUDENT TO BE UPDATED: ");
        String roll = sc.nextLine();
        int index = -1;
        for (int i = 0; i < students.length; i++)
        {

```

```

        if (roll.equals(students[i].rollno))
        {
            index = i;
        }
    }

    if (index == -1)
    {
        System.out.println("STUDENT RECORD NOT
FOUND!");
    } else
    {
        System.out.println("\nSELECT COURSE AND
COMPONENT TO UPDATE: ");
        System.out.println("ENTER YOUR CHOICE
");
        for (int i = 0; i <
Student.courses.length; i++)
        {
            System.out.println(i + " : " +
Student.courses[i]);
        }
        int y = sc.nextInt();
        String[] components = {"class test",
"sessional exam", "innovative assignment"};
        for (int i = 0; i < components.length;
i++)
        {
            System.out.println(i + " : " +
components[i]);
        }
        int x = sc.nextInt();

        System.out.println("(" + x + ", " + y +
")");

        System.out.println("\nENTER NEW MARKS:
");
        students[index].marks[x][y] =
sc.nextInt();

        students[index].marks[components.length][y] = (int) (0.3 *
students[index].marks[0][y] + 0.4 * students[index].marks[1][y] +
0.3 * students[index].marks[2][y]) + 1;

        System.out.println("MARKS UPDATED
SUCCESSFULLY!");
    }
}
else if (Opt == 3)
{
    sc.nextLine();
    System.out.print("\nENTER ROLL NUMBER OF THE
STUDENT YOU WANT TO DELETE: ");
    String roll = sc.nextLine();
    int index = -1;

```

```

        for (int i = 0; i < students.length; i++)
        {
            if (roll.equals(students[i].rollno))
            {
                index = i;
            }
        }

        if (index == -1)
        {
            System.out.println("STUDENT DATA NOT
FOUND!");
        }
        else
        {
            students[index] = new Student();
            System.out.println("\nSTUDENT DATA
DELETED SUCCESSFULLY!");
        }
    }
    else if (Opt == 4)
    {
        s.Displaystudentmarkarray(students);
    }
    else
    {
        break;
    }
}
else if (option == 2)
{
    while (true)
    {
        System.out.println("\n 1: DISPLAY LIST OF PASSED
CE STUDENT");
        System.out.println(" 2: DISPLAY LIST OF FAILED
CE STUDENT");
        System.out.println(" 3: DISPLAY ALL STUDENT
DATA");
        System.out.println(" 0: EXIT");
        int temp;
        while (true)
        {
            try
            {
                System.out.print("\n----->: ");
                temp = sc.nextInt();
                if (temp < 0 || temp > 3)
                {
                    throw new InputMismatchException();
                }
                break;
            } catch (InputMismatchException e)
            {
                System.out.println("\nERROR! PLEASE

```

```

ENTER VALID INPUT...");
        sc.nextLine();
    }
}
if (temp == 1)
{
    System.out.println("\n:ENTER SEMESTER ");
    int sem = sc.nextInt();

    System.out.println("ALL THE PASS STUDENT
DATA:");

    s.printmarks(students, sem, 41, 100);
    sc.nextLine();

} else if (temp == 2)
{

    System.out.println("\nENTER SEMESTER: ");
    int sem = sc.nextInt();

    System.out.println("ALL THE FAIL STUDENT
DATA:");

    s.printmarks(students, sem, 0, 40);
    sc.nextLine();

} else if (temp == 3)
{
    s.Displaystudentmarkarray(students);
} else
{
    break;
}
}
}
else if (option == 0)
{
    sc.close();
    return;
}
}
}
}

```

Output:


```
Run - test.java
MARKSHEET <
" C:\Program Files\Java\jdk-14.0.2\bin\java.exe" "-javaagent:C:\Program Files\Java\jdk-14.0.2\bin\java.exe"

*****CONTINUOUS EVALUATION(CE)-MARK-SHEET*****
-----
ENTER ALL THE COURSE CODE FOR THIS MARK-SHEET, in one line (e.g. 2CS301 2CS302 2CS303 2CS304 2CS305)
COURSE CODE(separated by space): 2CS301 2CS302 2CS303 2CS304 2CS305
1:CREATE MARK-SHEET PORTAL
2:USE MARK-SHEET PORTAL
0:EXIT

----->: 2
1: ADD STUDENT DATA
2: UPDATE STUDENT DATA
3: DELETE STUDENT DATA
4: DISPLAY STUDENT DATA
0: exit

----->: 1

ENTER ROLL NUMBER OF THE STUDENT: 198CE169
SEMESTER: 3
CLASS TEST MARKS IN COURSE 2CS301: 98
SESSIONAL EXAM MARKS IN COURSE 2CS301: 34
INNOVATIVE ASSIGNMENT MARKS IN COURSE 2CS301: 80
CLASS TEST MARKS IN COURSE 2CS302: 47
SESSIONAL EXAM MARKS IN COURSE 2CS302: 89
INNOVATIVE ASSIGNMENT MARKS IN COURSE 2CS302: 87
CLASS TEST MARKS IN COURSE 2CS303: 77
SESSIONAL EXAM MARKS IN COURSE 2CS303: 45
INNOVATIVE ASSIGNMENT MARKS IN COURSE 2CS303: 80
CLASS TEST MARKS IN COURSE 2CS304: 58
SESSIONAL EXAM MARKS IN COURSE 2CS304: 78
INNOVATIVE ASSIGNMENT MARKS IN COURSE 2CS304: 98
CLASS TEST MARKS IN COURSE 2CS305: 56
SESSIONAL EXAM MARKS IN COURSE 2CS305: 47
INNOVATIVE ASSIGNMENT MARKS IN COURSE 2CS305: 80
```

```
INNOVATIVE ASSIGNMENT MARKS IN COURSE 2CS305: 80

NEW STUDENT DATA ADDED SUCCESSFULLY!
1: ADD STUDENT DATA
2: UPDATE STUDENT DATA
3: DELETE STUDENT DATA
4: DISPLAY STUDENT DATA
0: exit

----->: 0

ENTER ROLL NUMBER OF THE STUDENT: 198CE169
SEMESTER: 3
CLASS TEST MARKS IN COURSE 2CS301: 98
SESSIONAL EXAM MARKS IN COURSE 2CS301: 34
INNOVATIVE ASSIGNMENT MARKS IN COURSE 2CS301: 80
CLASS TEST MARKS IN COURSE 2CS302: 47
SESSIONAL EXAM MARKS IN COURSE 2CS302: 89
INNOVATIVE ASSIGNMENT MARKS IN COURSE 2CS302: 87
CLASS TEST MARKS IN COURSE 2CS303: 77
SESSIONAL EXAM MARKS IN COURSE 2CS303: 45
INNOVATIVE ASSIGNMENT MARKS IN COURSE 2CS303: 80
CLASS TEST MARKS IN COURSE 2CS304: 58
SESSIONAL EXAM MARKS IN COURSE 2CS304: 78
INNOVATIVE ASSIGNMENT MARKS IN COURSE 2CS304: 98
CLASS TEST MARKS IN COURSE 2CS305: 56
SESSIONAL EXAM MARKS IN COURSE 2CS305: 47
INNOVATIVE ASSIGNMENT MARKS IN COURSE 2CS305: 80

NEW STUDENT DATA ADDED SUCCESSFULLY!
1: ADD STUDENT DATA
2: UPDATE STUDENT DATA
3: DELETE STUDENT DATA
4: DISPLAY STUDENT DATA
0: exit
```

INNOVATIVE ASSIGNMENT MARKS IN COURSE 2CS305: 80

NEW STUDENT DATA ADDED SUCCESSFULLY!

- 1: ADD STUDENT DATA
- 2: UPDATE STUDENT DATA
- 3: DELETE STUDENT DATA
- 4: DISPLAY STUDENT DATA
- 0: exit

----->: 1

ENTER ROLL NUMBER OF THE STUDENT: 19DCE124

SEMESTER: 1

CLASS TEST MARKS IN COURSE 2CS301: 89

SESSIONAL EXAM MARKS IN COURSE 2CS301: 97

INNOVATIVE ASSIGNMENT MARKS IN COURSE 2CS301: 94

CLASS TEST MARKS IN COURSE 2CS302: 78

SESSIONAL EXAM MARKS IN COURSE 2CS302: 87

INNOVATIVE ASSIGNMENT MARKS IN COURSE 2CS302: 86

CLASS TEST MARKS IN COURSE 2CS303: 82

SESSIONAL EXAM MARKS IN COURSE 2CS303: 78

INNOVATIVE ASSIGNMENT MARKS IN COURSE 2CS303: 82

CLASS TEST MARKS IN COURSE 2CS304: 72

SESSIONAL EXAM MARKS IN COURSE 2CS304: 88

INNOVATIVE ASSIGNMENT MARKS IN COURSE 2CS304: 87

CLASS TEST MARKS IN COURSE 2CS305: 80

SESSIONAL EXAM MARKS IN COURSE 2CS305: 87

INNOVATIVE ASSIGNMENT MARKS IN COURSE 2CS305: 87

NEW STUDENT DATA ADDED SUCCESSFULLY!

- 1: ADD STUDENT DATA
- 2: UPDATE STUDENT DATA
- 3: DELETE STUDENT DATA
- 4: DISPLAY STUDENT DATA
- 0: exit

----->: 1

ENTER ROLL NUMBER OF THE STUDENT: 19DCE124

SEMESTER: 1

CLASS TEST MARKS IN COURSE 2CS301: 64

SESSIONAL EXAM MARKS IN COURSE 2CS301: 40

INNOVATIVE ASSIGNMENT MARKS IN COURSE 2CS301: 80

CLASS TEST MARKS IN COURSE 2CS302: 87

SESSIONAL EXAM MARKS IN COURSE 2CS302: 25

INNOVATIVE ASSIGNMENT MARKS IN COURSE 2CS302: 56

CLASS TEST MARKS IN COURSE 2CS303: 87

SESSIONAL EXAM MARKS IN COURSE 2CS303: 80

INNOVATIVE ASSIGNMENT MARKS IN COURSE 2CS303: 87

CLASS TEST MARKS IN COURSE 2CS304: 58

SESSIONAL EXAM MARKS IN COURSE 2CS304: 78

INNOVATIVE ASSIGNMENT MARKS IN COURSE 2CS304: 87

CLASS TEST MARKS IN COURSE 2CS305: 87

SESSIONAL EXAM MARKS IN COURSE 2CS305: 45

INNOVATIVE ASSIGNMENT MARKS IN COURSE 2CS305: 50

NEW STUDENT DATA ADDED SUCCESSFULLY!

1: ADD STUDENT DATA
2: UPDATE STUDENT DATA
3: DELETE STUDENT DATA
4: DISPLAY STUDENT DATA
0: exit

----->: 0

1:CREATE MARK-SHEET PORTAL
2:USE MARK-SHEET PORTAL
0:EXIT

----->: 2

1: DISPLAY LIST OF PASSED CE STUDENT
2: DISPLAY LIST OF FAILED CE STUDENT
3: DISPLAY ALL STUDENT DATA
0: EXIT

----->: 1

:ENTER SEMESTER

3

ALL THE PASS STUDENT DATA:

:ENTER SEMESTER

3

ALL THE PASS STUDENT DATA:

COURSE: 2CS301

ROLL NUMBER: 19BCE169

TOTAL MARKS: 6819BCE139

TOTAL MARKS: 9719BCE168

TOTAL MARKS: 71

COURSE: 2CS302

ROLL NUMBER: 19BCE169

TOTAL MARKS: 8219BCE139

TOTAL MARKS: 6719BCE168

TOTAL MARKS: 53

COURSE: 2CS303

ROLL NUMBER: 19BCE169

TOTAL MARKS: 7419BCE139

TOTAL MARKS: 6619BCE168

TOTAL MARKS: 79

COURSE: 2CS304

ROLL NUMBER: 19BCE169

TOTAL MARKS: 7819BCE139

TOTAL MARKS: 8119BCE168

TOTAL MARKS: 75

COURSE: 2CS305

ROLL NUMBER: 19BCE169

TOTAL MARKS: 6019BCE139

TOTAL MARKS: 7919BCE168

TOTAL MARKS: 56

1: DISPLAY LIST OF PASSED CE STUDENT

2: DISPLAY LIST OF FAILED CE STUDENT

3: DISPLAY ALL STUDENT DATA

0: EXIT

----->: |

```
MARKSHEET
3: DELETE STUDENT DATA
4: DISPLAY STUDENT DATA
0: exit

----->: 4

[1].ROLL NUMBER: 19BCE169 | SEMESTER: 3
COURSES: 2CS301 2CS302 2CS303 2CS304 2CS305
CT: 98 67 77 56 56
SE: 34 89 65 78 47
IA: 80 87 80 98 80
Total: 68 82 74 78 60

[2].ROLL NUMBER: 19BCE139 | SEMESTER: 3
COURSES: 2CS301 2CS302 2CS303 2CS304 2CS305
CT: 99 78 62 71 80
SE: 97 67 78 98 87
IA: 94 54 52 67 67
Total: 97 67 66 81 79

[3].ROLL NUMBER: 19BCE168 | SEMESTER: 3
COURSES: 2CS301 2CS302 2CS303 2CS304 2CS305
CT: 54 87 87 56 67
SE: 68 23 80 78 45
IA: 90 56 67 87 58
Total: 71 53 79 75 56

1: ADD STUDENT DATA
2: UPDATE STUDENT DATA
3: DELETE STUDENT DATA
4: DISPLAY STUDENT DATA
0: exit

----->:
```

```
----->: 2

ENTER ROLL NUMBER OF THE STUDENT TO BE UPDATED: 19BCE169

SELECT COURSE AND COMPONENT TO UPDATE:
ENTER YOUR CHOICE
0 : 2CS301
1 : 2CS302
2 : 2CS303
3 : 2CS304
4 : 2CS305
0
0 : class test
1 : sessional exam
2 : innovative assignment
1
(1,0)

ENTER NEW MARKS:
87
MARKS UPDATED SUCCESSFULLY!
```

MARKS UPDATED SUCCESSFULLY!

- 1: ADD STUDENT DATA
- 2: UPDATE STUDENT DATA
- 3: DELETE STUDENT DATA
- 4: DISPLAY STUDENT DATA
- 0: exit

----->: 4

[1].ROLL NUMBER: 19BCE169 | SEMESTER: 3

COURSES:	2CS301	2CS302	2CS303	2CS304	2CS305
CT:	98	67	77	56	56
SE:	67	89	65	78	47
IA:	80	87	80	98	80
Total:	81	82	74	78	60

[2].ROLL NUMBER: 19BCE139 | SEMESTER: 3

COURSES:	2CS301	2CS302	2CS303	2CS304	2CS305
CT:	99	78	62	71	80
SE:	97	67	78	98	87
IA:	94	54	52	67	67
Total:	97	67	66	81	79

[3].ROLL NUMBER: 19BCE168 | SEMESTER: 3

COURSES:	2CS301	2CS302	2CS303	2CS304	2CS305
CT:	54	87	87	56	67

IA:	90	56	67	87	58
Total:	71	53	79	75	56

- 1: ADD STUDENT DATA
- 2: UPDATE STUDENT DATA
- 3: DELETE STUDENT DATA
- 4: DISPLAY STUDENT DATA
- 0: exit

----->: 3

ENTER ROLL NUMBER OF THE STUDENT YOU WANT TO DELETE: 19BCE133
STUDENT DATA NOT FOUND!

- 1: ADD STUDENT DATA
- 2: UPDATE STUDENT DATA
- 3: DELETE STUDENT DATA
- 4: DISPLAY STUDENT DATA
- 0: exit

----->: 3

ENTER ROLL NUMBER OF THE STUDENT YOU WANT TO DELETE: 19BCE168

STUDENT DATA DELETED SUCCESSFULLY!

- 1: ADD STUDENT DATA
- 2: UPDATE STUDENT DATA
- 3: DELETE STUDENT DATA
- 4: DISPLAY STUDENT DATA
- 0: exit

----->: 4

----->: 4

[1].ROLL NUMBER: 198CE169 | SEMESTER: 3

COURSES:	2CS301	2CS302	2CS303	2CS304	2CS305
CT:	98	67	77	56	56
SE:	67	89	65	78	47
IA:	80	87	80	98	80
Total:	81	82	74	78	60

[2].ROLL NUMBER: 198CE139 | SEMESTER: 3

COURSES:	2CS301	2CS302	2CS303	2CS304	2CS305
CT:	99	78	62	71	80
SE:	97	67	78	98	87
IA:	94	54	52	67	67
Total:	97	67	66	81	79

- 1: ADD STUDENT DATA
- 2: UPDATE STUDENT DATA
- 3: DELETE STUDENT DATA
- 4: DISPLAY STUDENT DATA
- 0: exit

----->: |

----->: 0

- 1:CREATE MARK-SHEET PORTAL
- 2:USE MARK-SHEET PORTAL
- 0:EXIT

----->: 2

- 1: DISPLAY LIST OF PASSED CE STUDENT
- 2: DISPLAY LIST OF FAILED CE STUDENT
- 3: DISPLAY ALL STUDENT DATA
- 0: EXIT

----->: 3

[1].ROLL NUMBER: 198CE169 | SEMESTER: 3

COURSES:	2CS301	2CS302	2CS303	2CS304	2CS305
CT:	98	67	77	56	56
SE:	67	89	65	78	47
IA:	80	87	80	98	80
Total:	81	82	74	78	60

[2].ROLL NUMBER: 198CE139 | SEMESTER: 3

COURSES:	2CS301	2CS302	2CS303	2CS304	2CS305
CT:	99	78	62	71	80
SE:	97	67	78	98	87
IA:	94	54	52	67	67
Total:	97	67	66	81	79

- 1: DISPLAY LIST OF PASSED CE STUDENT
- 2: DISPLAY LIST OF FAILED CE STUDENT
- 3: DISPLAY ALL STUDENT DATA
- 0: EXIT

----->:

```
3: DELETE STUDENT DATA
4: DISPLAY STUDENT DATA
0: exit

=====

[1].ROLL NUMBER: 19BCE128 | SEMESTER: 1
COURSES: 2CS301 2CS302 2CS303 2CS304 2CS305
CT: 88 67 77 56 56
SE: 67 89 65 78 47
IA: 88 87 88 98 88
Total: 81 82 74 78 88

[2].ROLL NUMBER: 19BCE129 | SEMESTER: 1
COURSES: 2CS301 2CS302 2CS303 2CS304 2CS305
CT: 88 78 62 71 88
SE: 87 67 78 98 87
IA: 94 54 52 67 67
Total: 97 67 66 83 79

[3].ROLL NUMBER: 19BCE128 | SEMESTER: 1
COURSES: 2CS301 2CS302 2CS303 2CS304 2CS305
CT: 28 98 67 88 56
SE: 25 25 12 67 65
IA: 74 98 67 34 76
Total: 48 78 66 84 66

1: ADD STUDENT DATA
2: UPDATE STUDENT DATA
3: DELETE STUDENT DATA
4: DISPLAY STUDENT DATA
0: exit

=====
```

```
=====
1: DISPLAY LIST OF PASSED CE STUDENT
2: DISPLAY LIST OF FAILED CE STUDENT
3: DISPLAY ALL STUDENT DATA
0: EXIT

=====

ENTER SEMESTER:

ALL THE FAIL STUDENT DATA:

COURSE: 2CS301
ROLL NUMBER: 19BCE128
TOTAL MARKS: 48
COURSE: 2CS302
ROLL NUMBER:
COURSE: 2CS303
ROLL NUMBER:
COURSE: 2CS304
ROLL NUMBER:
COURSE: 2CS305
ROLL NUMBER:
1: DISPLAY LIST OF PASSED CE STUDENT
2: DISPLAY LIST OF FAILED CE STUDENT
3: DISPLAY ALL STUDENT DATA
0: EXIT

=====
1:CHGATE MARK-SHEET PORTAL
2:USE MARK-SHEET PORTAL
0:EXIT

=====

Process finished with exit code 0
```

ESHA PATEL

19BCE169

