

LAB-6

```

import java.util.*; Scanner in = new Scanner(System.in);
package CIE;
class Student {
    int usn;
    String name;
    int sem;
    Student(usn, name, sem) {
        Name usn
        this.usn = usn; System.out.println("Enter usn, name, sem");
        this.name = name; usn = in.nextInt(); name = in.nextLine();
        this.sem = sem; usn = in.nextInt();
        sem = in.nextInt();
    }
}

```

```

class int Internals extends Student {
    int double cie-marks = new double int [5];
    Internals() {
        super();
        System.out.println("Enter marks of 5 subjects: ");
        for (int i=0; i<5; i++) {
            do { System.out.println("Marks in subject " + (i+1) + ": ");
                do {
                    int cie-marks[i] = in.nextDouble();
                } while (cie-marks[i] > 50 100);
            }
        }
    }
}

```

```
package SEE;
import CTE.*;
class External { extends Internal {
    double see see-marks[] = new double[5];
    External() {
        in super();
        System.out.println("Enter SEE marks:");
        for(int i=0; i<5; i++) {
            do {
                System.out.println("Marks in Subject" + (i+1) + ": ");
                see-marks[i] = in.nextDouble();
                if (see-marks[i] > 100)
                    System.out.println("ERROR! MARKS CANNOT BE OVER
                    100! PLEASE INPUT AGAIN!");
            } while (see-marks[i] > 100)
        }
    }
}
```

```

import java.util.*;
import java.lang.*;
import SEE.*, CIE.*;
import SEE.*;
Scanner in = new Scanner(System.in);
public class Main {

    public static void Total-marks ( External obj arr, double int [ ] arr ) {
        for (int i = 0; i < 5; i++) {
            obj
            arr[i] = ( obj obj.cie-marks[i] + ((obj.see-marks[i])/2) );
        }
    }
}

```

```

public static void main (String [ ] args) {

```

```

    External e1 = new External();          int n;
    int double Total[ ] = new double [5];    double Total[ ] = new double [5];
    Total-marks ( e1, Total );
    System.out.println ("Enter no. of students: ");
    in n = in.nextInt();
    External e[ ] = new External[n] arr;
    for (int i = 0; i < n; i++) {
        e[i] = new External();
        Total-marks ( e[i], arr );
        System.out.println ("Total Marks: ");
        for (int j = 0; j < 5; j++) {
            System.out.println (" arr[i] );
        }
    }
}

```