LABPROGRAM 6 (17/11/2020)

Q.1) */PACKAGES; CLASS INTERNALS;EXTERNALS;FINALS MARKS*/

A) Student.java

B) Internals.java

```
package CIE;
import java.util.Scanner;

public class Internals(
    Scanner sc = new Scanner(System.in);
    public double[] intmarks;
    public double[] quiz;
    public void setdl(){
        intmarks = new double[5];
        quiz = new double[5];
        for (int i = 0; i < 5; i++) {
            System.out.print("CIE :");
            intmarks[i] = sc.nextDouble();
            System.out.print(" QUIZ :");
            quiz[i] = sc.nextDouble();
        }
    }

    public void displ() {
        for (int i = 0; i < 5; i++) {
            count1 += (intmarks[i] + quiz[i]);
        }
        System.out.println("INTERNALS TOTAL :"+count1+"/250");
    }
}</pre>
```

c) Externals.java

```
package SEE;
import CIE.*;
import java.util.Arrays;
import java.util.Scanner;
public class Externals extends CIE.Internals {
    public double[] see;
    public double[] total;
    public double result = 0;
    public double count2=0;
```

```
public double add=0;
Scanner sc = new Scanner(System.in);

public void setd2() {
    System.out.println("-----ENTER EXTERNALS MARKS (OUT OF 100)----");
    see = new double[5];
    for (int i = 0; i < 5; i++) {
        System.out.print("SUBJECT " + (i + 1) + " :");
        see[i] = sc.nextInt();
    }
}

public void disp2() {
    for(int i=0;i<5;i++) {
        count2 += see[i]/2;
    }
    System.out.println("EXTERNALS TOTAL :"+count2+"/250");
}</pre>
```

D) Totalmarks.java

OUTPUT

```
TOTAL MARKS OF ALL STUDENTS
STUDENT :1
INTERNALS TOTAL :250.0/250
EXTERNALS TOTAL :250.0/250
TOTAL :500.0
SUBJECT :1 100.0
SUBJECT :2 100.0
SUBJECT :3 100.0
SUBJECT :4 100.0
SUBJECT :5 100.0
STUDENT :2
INTERNALS TOTAL :250.0/250
EXTERNALS TOTAL :250.0/250
TOTAL :500.0
SUBJECT :1 100.0
SUBJECT :2 100.0
SUBJECT :3 100.0
SUBJECT :4 100.0
SUBJECT :5 100.0
```