LAB - 6

Student.java

```
package CIE;
import java.utile.Scanner;
public class Student{
    Scanner scan=new Scanner(System.in);
    public String usn, name;
    public int sem;

    public void accept(){
        System.out.println("Enter usn: ");
        usn = scan.next();
        System.out.println("Enter name: ");
        name = scan.next();
        System.out.println("Enter sem: ");
        sem = scan.nextInt();
    }

    public void display(){
        System.out.println("Name: " + name);
        System.out.println("USN: " + usn);
        System.out.println("Sem: " + sem);
    }
}
```

Internals.java

```
package CIE;
import java.util.Scanner;
public class Internals extends CIE.Student{
    Scanner scan = new Scanner(System.in);
```

```
    public int ciem[] = new int[5];

    public void accept(){
        for(int i=0; i<5; i++){
            System.out.println("Enter cie marks of
                    subject " +(i+1));
            ciem[i] = scan.nextInt();
        }
    }
}
```

Externals.java

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

public class Externals extends CIE.Student{
    Scanner scan = new Scanner(System.in);
    public int seem[] = new int[5];

    public void accept(){
        for(int i=0; i<5; i++){
            System.out.println("Enter see marks of subject"
                    +(i+1));
            seem[i] = scan.nextInt();
        }
    }
}
```

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TotalMarks.java

```
import CIE.*;
import SEE.*;
import java.util.Scanner;

class TotalMarks {
    public static void main (String[] args) {
        int i, j, n;
        Scanner scan= new Scanner (System.in);
        int total[] = new int [5];
        System.out.println ("Enter no. of stds : ");
        n = scan.nextInt;
        CIE.Student s[] = new CIE.Student [n];
        CIE.Internals ci[] = new CIE.Internal [n];
        SEE.Externals se[] = new SEE.Externals [n];
        for (i=0; i<n; i++) {
            System.out.println (" Enter student detail- ");
            s[i] = new CIE.Student ();
            s[i].accept ();
            ci[i] = new CIE.Internals ();
            ci[i].accept ();
            se[i]= new SEE.Externals ();
            se[i].accept ();
        }
        for (i=0; i<n; i++) {
            System.out.println ("Details of student"+(i+1));
            s[i].display ();
            for (j=0; j<5; j++) {
                total[j] = ci[i].ciem[j] + se[i].seem[j];
```

```
System.out.println("Total marks in subject "+
(j+1)+" : "+ total[j]);
}
}
}
}
```