17/11/20 Week 9 Lab 6

1BM19CS006

```
package CIE;
import java.util.Scanner;
public class Student
{

public String usn, name;
public int sem;

public void getdata(){
Scanner sc = new Scanner(System.in);
System.out.println("Enter student usn: ");
usn = sc.next();
System.out.println("Enter student name: ");
name = sc.next();
System.out.println("Enter semester: ");
sem = sc.nextInt();
}

public void printdata(){
System.out.println("Student Details: ");
System.out.println("USN: "+usn);
System.out.println("Name: "+name);
System.out.println("Semester: "+sem);
}
}
```

```
package CIE;
import java.util.Scanner;
public class Internals extends Student
{

public int cie[]=new int[5];

public void getcie(){
for(int i=0; i<5; i++) {
Scanner sc=new Scanner(System.in);
System.out.println("Enter subject "+(i+1)+" cie marks:");
cie[i]=sc.nextInt();
  }
 }
}
```

```
package SEE; import CIE.*;
import java.util.Scanner;
public class Externals extends CIE.Student
{

public int see[]=new int[5];
public void getsee(){
 for(int i=0; i<5; i++){
 Scanner sc=new Scanner(System.in);
System.out.println("Enter subject "+(i+1)+" see marks:");
see[i]=sc.nextInt();
  }
 }
}
```

```
import CIE.*;
import SEE.*;

import java.util.Scanner;
class TotalMarks {
public static void main(String sss[]){
Scanner sc= new Scanner(System.in);
int n,i;
double total[]= new double[5];

System.out.println("Enter the num of students : ");
n=sc.nextInt();

CIE.Internals in[]= new CIE.Internals[n];
SEE.Externals ext[]= new SEE.Externals[n];
for(i=0; i<n; i++){
 in[i]= new CIE.Internals();
 ext[i]= new SEE.Externals();
 in[i].getdata();
 in[i].printdata();
System.out.println("Internal marks: ");
 in[i].getcie();
System.out.println("External marks: ");
~~ext[i]~~ ext[i].getsee();
 }

 for(i=0; i<n; i++){
 for(int j=0; j<5; j++){
total[j]=(double) int i].cie[j]+(ext[i].see[j]/2);
```

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