Week 9 lab 6

Externals.java.

```java
Package SEE;

import CIE.*;
import java.util.*;

public class Externals extends CIE.Student
{
    public double marks2[] = new double [5];
    Scanner sc = new Scanner (System.in);
    public void accept3()
    {
        System.out.println("enter the externals marks in 5 sub");
        for(int i=0; i<5; i++)
        {
            System.out.println("Enter marks in Sub"+ (i+1));
            marks2[i] = sc.nextDouble();
            marks2[i] = marks2[i]/2;
        }
    }
}
```

Internals.java.

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

public class Internals
{
```

```java
public double marks1[] = new double[5];
Scanner sc = new Scanner(System.in);
public void accept1()
{
System.out.println("Enter the internals marks in
                    5 sub");
for(int i= 0; i<5; i++)
{
System.out.println("Enter marks in sub" + (i+1));
marks1[i] = sc.nextDouble();
}
}
}
```

Student.java.

```java
Package CIE;
import java.util.*;

public class Student
{
public String usn;
public String name;
public int sem;
public double total[] = new double[5];
Scanner sc = new Scanner(System.in);
public void accept2(int a)
{
System.out.println("Enter the name of
                    Student" + a);
name = sc.next();
System.out.println("enter the usn of student"
                    + a);
usn = sc.next();
```

```java
        System.out.println("Enter the sem of Student
        sem = sc.next();
}
public void display(int a1)
{
    System.out.println("--- details of student "
    System.out.println("name: " + name);
    System.out.println("usn: " + usn);
    System.out.println("sem: " + sem);
    for(int i=0; i<5; i++)
    System.out.println("total marks in sub"
                                + (i+1)+ ":"
}
}
```

Main1.java

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

class Main1
{
public static void main(String args[])
{
SEE.Externals s2[];
CIE.Internals s1[];
int n;
System.out.println("Enter the no of Students");
Scanner sc = new Scanner(System.in);
n = sc.nextInt();
s2 = new SEE.Externals[n];
s1 = new CIE.Internals[n];
```

```
for (int i=0; i<n; i++)
{
    s1[i] = new CIE.Internals();
    s2[i] = new SEE.Externals();
    se[i].accept2(i+1);
    s1[i].accept1();
    s2[i].accept3();
    for (int j=0; j<s; j++)
    s2[i].total[j] = s1[i].marks1[j] + s2[i].marks3[j];
}

for (int i=0; i<n; i++)
s2[i].display(i+1);
}
}
```