PRIYANSHU GUPTA
IBM19CS124

```java
package CIE;
import java.util.Scanner;
public class Student
{
    public String name;
    public String usn;
    public int sem;
    public void display()
    {
        Scanner s = new Scanner(System.in);
        System.out.println("Name:");
        name = s.next();
        System.out.println("USN:");
        usn = s.next();
        System.out.println("Semester:");
        sem = s.nextInt();
    }
}
```

FILE with name Main.java -

```java
import CIE*;
import SEE.*;
import java.util.Scanner;
public class Main
{
    public static void main(String args[])
    {
        int n;
        Scanner s = new Scanner(System.in);
```

```java
System.out.println("Enter the numbers of students:");
    n = S.nextInt();
    CIE.Student st[] = new CIE.Student[n];
    CIE.Internals in[] = new CIE.Internals[n];
    SEE.Externals e[] = new SEE.Externals[n];
    for(int i=0; i<n; i++)
    {
        st[i] = new CIE.Student();
        in[i] = new CIE.Internals();
        e[i] = new SEE.Externals();
        st[i].display();
        in[i].display();
        e[i].display();
System.out.println("Total marks of student " + st[i].name
                                    + " in 5 subjects are:");
        for(int j=0; j<5; j++)
        {
            System.out.println(in[i].ciem[j]+(e[i].seem[j]));
        }
    }
}
}
)
```

File name -Internals.java-

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

```java
public double ciem[];
public void display()
{
    ciem = new double[5];
    Scanner t = new Scanner(System.in);
    System.out.println("CIE Marks for 5 subjects (out of 50)");
    for(int i = 0; i < 5; i++)
        ciem[i] = t.nextDouble();
}
}
```

FILE with name Externals.java:

```java
package SEE;
import java.util.*;
import CIE.*;
public class Externals extends CIE.student
{
    public double seem[];
    public void display()
    {
        seem = new double[5];
        Scanner s = new Scanner(System.in);
        System.out.println("SEE Marks for 5 subjects (out of 100):");

        for(int i = 0; i < 5; i++)
            seem[i] = s.nextDouble();
    }
}
```