6) Create a package CIE which has 2 class - Student & internals. The class personal has members like USN, name, sem. The class internals has an array that stores the internal marks stored in 5 courses of current semester of student. Create another package SEE which has the class external which is a derived class of student. This class has an array that stores the SEE marks scored in 5 courses of the current sem of student. Import the 2 packages in a file that declares final marks of n students in all 5 course.

[totalmarks.java]

```java
import CIE.*;
import SEE.*;
import java.util.*;
class totalmarks {
public static void main( Strings args[]) {
Scanner in = new Scanner(System.in);
System.out.println(" Enter the number of students : ");
int n = in.nextInt();
SEE.Externals ob1[] = new SEE.Externals[5];
CIE.Internals ob2[] = new CIE.Internals[5];
for(int i=0; i<n; i++)
{ System.out.println(" Enter the details of student " + (i+1));
System.out.print("USN:");
String usn = in.next();
System.out.print(" name: ");
String name = in.next();
System.out.print(" Sem ");
int sem = in.nextInt();
ob2[i] = new CIE.Internals();
ob2[i] = get();
ob1[i] = new SEE.Externals(usn, name, sem);
ob1[i].get();
}
```

```java
for(i =0; i<n; i++) {
  System.out.println(" Student number " + (i+1));
  for(int j = 0; j<5; j++) {
    System.out.println(" Subject " + (j+1) + " total marks: "
              + (ob2[i].cie[j] + obt[i].sec[j]/2))
;
}}}
```

[student.java]
```java
package CIE;
public class student {
public String usn;
public Setsing name;
public int sem;
public student() { }
public student (String usn, String name, int sem)
{
  this.usn = usn;
  this.name = name;
  this.sem = sem;
}}
```

[Internals.java]
```java
package CIE;
import java.util.Scanner;
public class Internals extends Student {
Scanner in = new Scanner(System.in);
public int[] = cie = new int[5];
public void get()
{ for(int i=0; i<5; i++) {
System.out.print(" Enter CIE marks in subject " + (i+1) + "(out of
    50) of the current semester:");
cie[i] = in.nextInt();
}}}
```

```java
[Externals.java]
package SEE;
import java.util.Scanner;
public class Externals extends CIE.student {
public Externals (String usn, String name, int sem)
{
super(usn, name, sem);
}
Scanner in = new Scanner(System.in);
public int[] see = new int [5];
public void get()
{  System.out.print("\n");
  for(int i=0; i<5; i++) {
  System.out.print(" Enter the SEE marks in subject "+(i+1)+
      "(out of 100) of this sem:");
  see [i] = in.nextInt();
}}
```