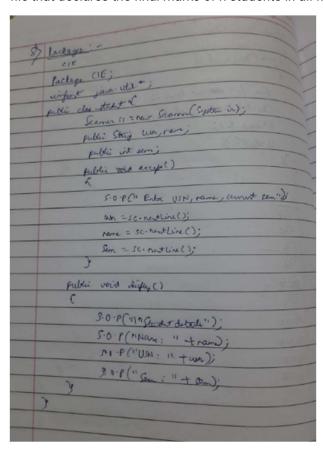Create a package CIE which has two classes- Student and Internals. The class Personal has members like usn, name, sem. The class internals has an array that stores the internal marks scored in five courses of the current semester of the student. Create another package SEE which has the class External which is a derived class of Student. This class has an array that stores the SEE marks scored in five courses of the current semester of the student. Import the two packages in a file that declares the final marks of n students in all five courses.


```
8) Packages:-
    CIE
    Package CIE;
    import java.util.*;
    public class Student
    {
        Scanner sc = new Scanner(System.in);
        public String usn, name;
        public int sem;
        public void accept()
        {
            S.O.P(" Enter USN, name, current sem");
            usn = sc.nextLine();
            name = sc.nextLine();
            sem = sc.nextLine();
        }

        public void display()
        {
            S.O.P("\n Student details");
            S.O.P("Name: " + name);
            S.O.P("USN: " + usn);
            S.O.P("Sem: " + sem);
        }
    }
```

```
CIE;
package CIE;
import java.util.*;
public class internal extends CIE.start
{
    Scanner sc = new Scanner(System.in);
    public int cie[] = new int[];
    public void accept()
    {
        int i;
        for(i=0;i<5;i++)
        {
            S.O.P("Enter the marks of Sub");
            cie[i] = sc.nextInt();
        }
    }
}

SEE
package SEE;
import CIE.*;
import java.util.*;
public class external extends CIE.student
{
    Scanner sc = new Scanner(System.in);
    public int sem[] = new int[5];
    public void accept()
    {
        for(int i=0; i<5; i++)
        {
            S.O.P("Enter SEE marks");
            sem[i] = sc.nextInt();
        }
    }
}

import CIE.*;
import SEE.*;
import java.util.*;
class total
{
    psvm(String args[])
    {
        int i,j,n;
        Scanner sc = new Scanner(System.in);
        int total[] = new int[5];
        S.O.P("Enter no of students");
        n = sc.nextInt();
        CIE.student s[] = new CIE.student[n];
    }
}
```

Output:

```
n Support/Code/User/workspaceStorage/
Enter number of students:
1

Enter student 1 details
Enter USN, Name and Current semester:
1BM20CS100
NITHIN BS
3
Enter CIE marks of subject 1
47
Enter CIE marks of subject 2
46
Enter CIE marks of subject 3
45
Enter CIE marks of subject 4
43
Enter CIE marks of subject 5
44
Enter SEE marks of subject 1
48
Enter SEE marks of subject 2
47
Enter SEE marks of subject 3
44
Enter SEE marks of subject 4
49
Enter SEE marks of subject 5
50

Details of student 1

Student Details
Name: NITHIN BS
USN: 1BM20CS100
Semester: 3
Total marks in subject 1: 95
Total marks in subject 2: 93
Total marks in subject 3: 89
Total marks in subject 4: 92
Total marks in subject 5: 94
```