

Program 6:

```

package CIE;
import java.util.Scanner;

public class internal extends student
{
    public int cieMarks[] = new int[5];
    Scanner get = new Scanner(System.in);
    public void getCieMarks()
    {
        System.out.printf("\n Enter CIE (out of 50) obtained in  

        5 courses: ");
        for (int i = 0; i < 5; i++)
            cieMarks[i] = get.nextInt();
    }
}

package CIE;
import java.util.Scanner;

public class student
{
    Scanner get = new Scanner(System.in);
    String usn, name;
    int sem;
    public void getStudentInfo()
    {
        System.out.printf("\n\n Enter the student Details --->");
        System.out.printf("\n Usn: "); usn = get.next();
        System.out.printf("\n Name: "); name = get.next();
        System.out.printf("\n Sem Number: "); sem = get.nextInt();
    }
}

```

```

    public void displayStudent()
    {
        System.out.printf("\n\n <--- student details --->");
        System.out.printf("\n USN: %05s", USN);
        System.out.printf("\n Name: %05s", name);
        System.out.printf("\n Sem Number: %d", sem);
    }
}

```

```

package SEE;
import java.util.Scanner;

public class external extends CIE.student
{
    public int seeMarks[] = new int[5];
    Scanner get = new Scanner(System.in);

    public void getSeeMarks()
    {
        System.out.printf("\n Enter SEE mark(out of 100)  

        obtained in 5 courses: ");

        for(int i = 0; i < 5; i++)
            seeMarks[i] = get.nextInt();
    }
}

```

```

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

class finalMarks
{
    public static void main (String[] args)
    {
        int n;
        CIE.internals i[];
        SEE.externals e[];
        Scanner get = new Scanner(System.in);
    }
}

```

```

System.out.printf("Enter the No. of students");
n = get.nextInt();
i = new CIE.internals(n);
e = new SEE externals(n);
for (int k = 0; k < n; k++)
{
    i[k] = new CIE.internals();
    i[k].getStudentInfo();
    i[k].getCieMarks();
    e[k] = new SEE.externals();
    e[k].getSeeMarks();
}
for (int k = 0; k < n; k++)
{
    i[k].displayStudent();
    System.out.printf("Enter Final Marks for 5 courses:");
    for (int l = 0; l < 5; l++)
    {
        System.out.printf("Enter course %d: ", (l+1), (i[k].cieMarks[l] + (e[k].seeMarks[l] * 5)));
    }
}
}
}

```

Procedure:

- * created CIE, SEE folders.
- * In their parent directory, all the java files were created & compiled.
- * The resulting bytecode (class files) were moved to respective package folders.
- * The FinalMarks class is executed.