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1BM19CS135

PROG-6

[Student.java]

```
package CIE;
public class Student {
public String usn;
public String name;
public int sem;
pubic Student() {}
public Student (String usn, String name, int sem)
{
this.usn = usn;
this.name = name;
this.sem = sem;
}}
```

[Internals.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.println("Enter CIE marks in subject "+(i+1)+" (out of
                    50) of the current semester:");
cie[i] = in.nextInt();
}}}
```

[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);
}
```

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```
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 semester:");
see[i] = in.nextInt();
}}}

[finalmarks.java]
import CIE.*;
import SEE.*;
import java.util.*;
class finalmarks{
public static void main(String 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.Externals ob[] = new CIE.Internals[5];
for (int i=0; i<n; i++)
{
System.out.println("Enter the details of student number"
        +i+1));
System.out.print("USN:");
String usn = in.next();
System.out.print("NAME:");
String name = in.next();
System.out.print("SEMESTER:");
int sem = in.nextInt();
ob[i] = new CIE.Internals();
ob[i].get();
```

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```
obl[i]= new SEE.Externals (usn, name, sem);
ob l [i].get();
}
for (int 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:"+(ob[i]
                    .cie[j]+obl[i].see[j]/2));
}
}
}
}
```

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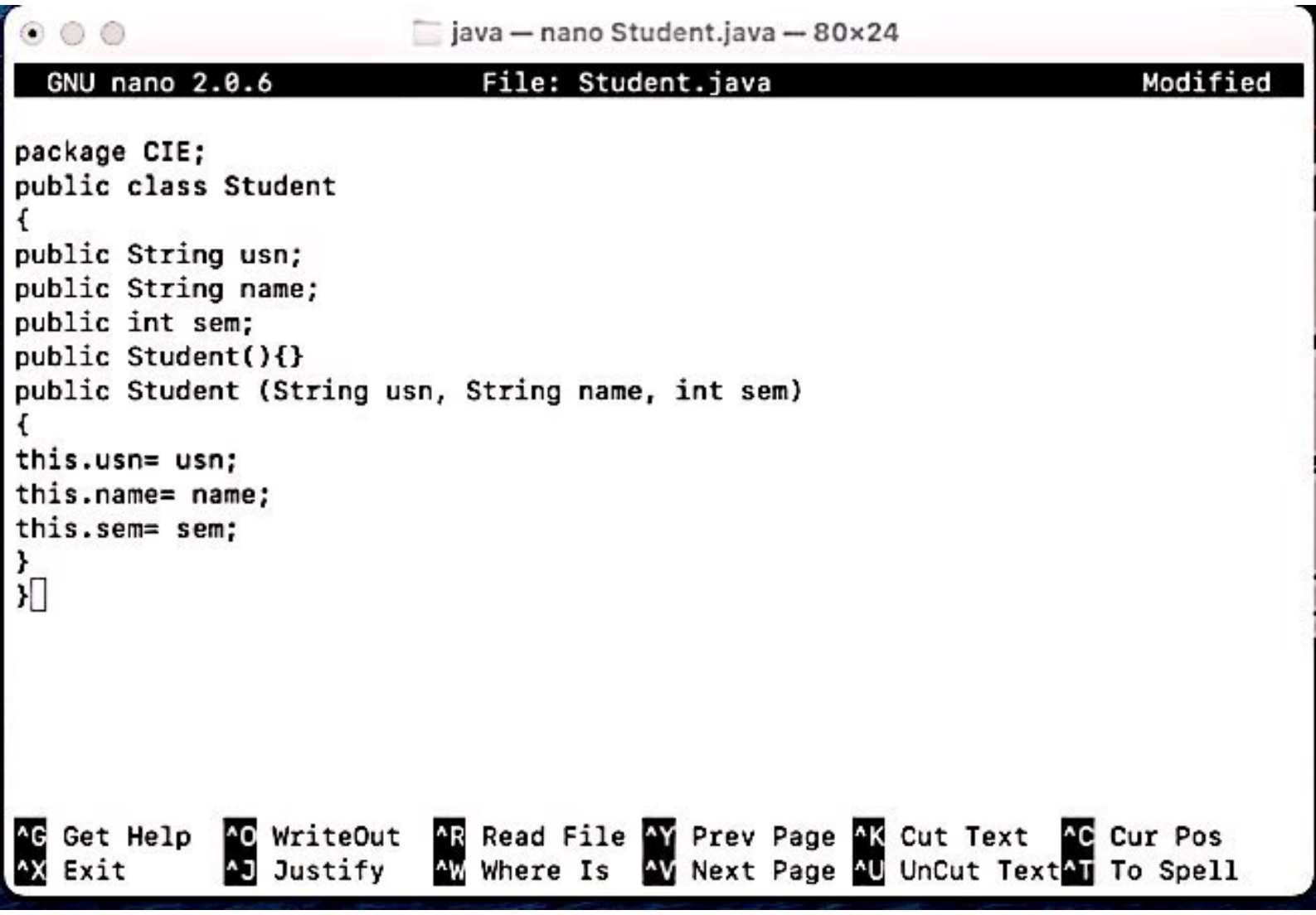

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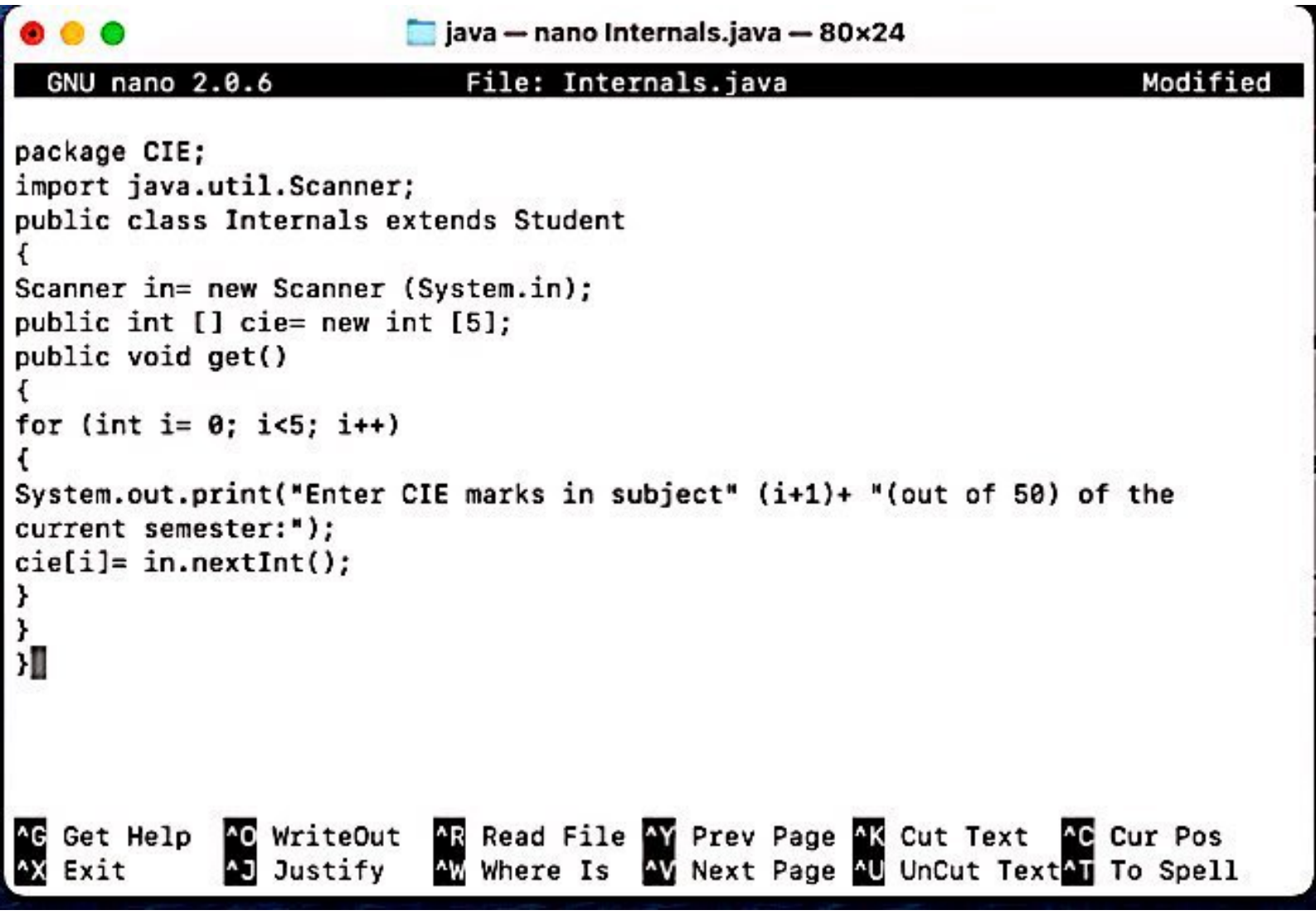

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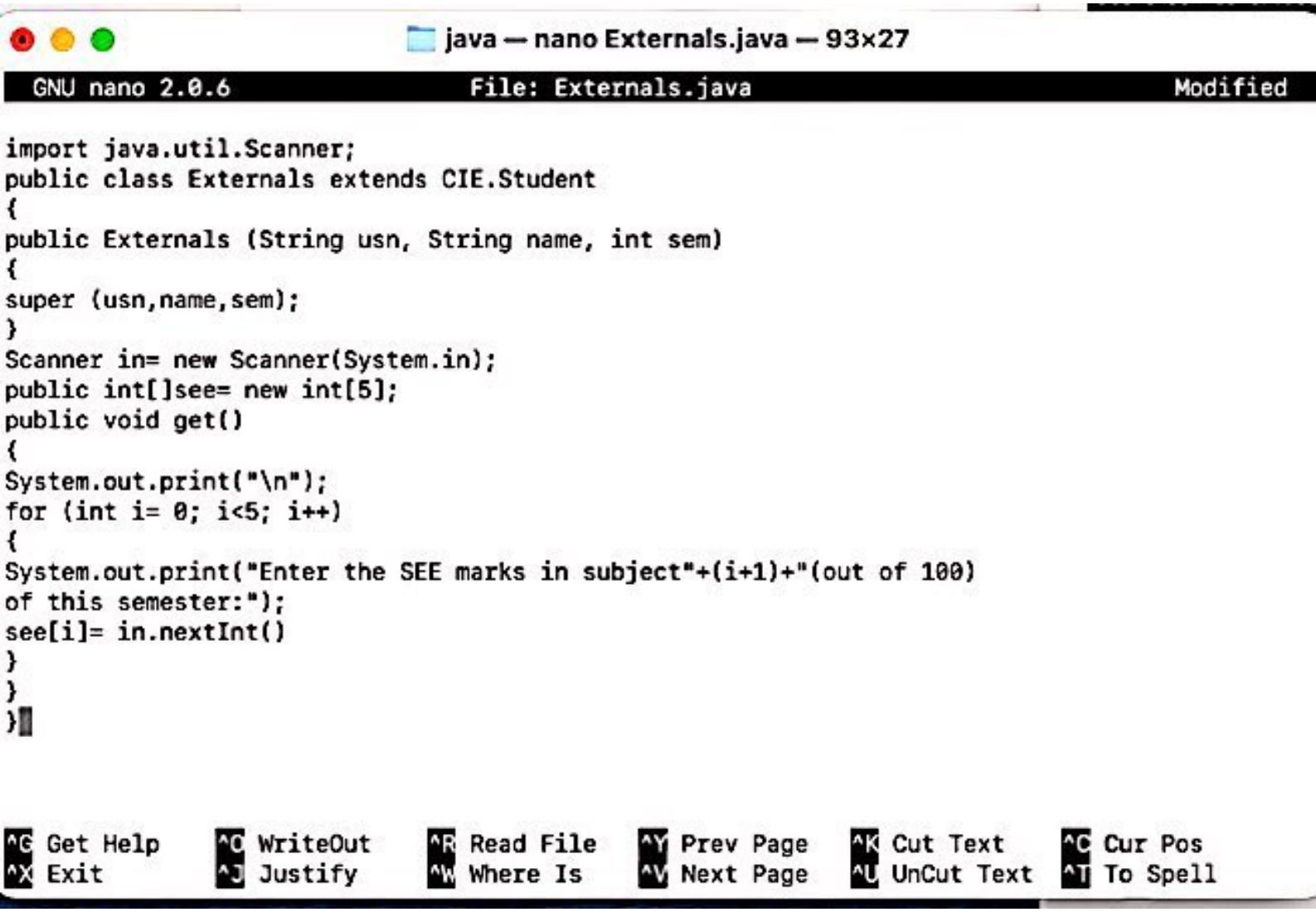

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java — nano finalmarks.java — 135×43

GNU nano 2.0.6 File: finalmarks.java

```
import CIE.*;
import SEE.*;
import java.util.*;
class finalmarks{
public static void main (String agrs[])
{
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.Externals ob[]= new CIE.Internals[5];
for (int i=0;i<n;i++);
{
System.out.println("Enter the details of student number" + i+1));
System.out.print("USN:");
String usn= in.next();
System.out.print("NAME:");
String name= in.next();
System.out.print("SEMESTER:");
int sem= in.nextInt();
ob[i]= new CIE.Internals();
ob[i].get();
ob1[i]= new SEE.Externals (usn, name, sem);
ob1[i].get();
}
for (int 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:" + (ob[i].cie[j]+ob1[i].see[j]/2));
}
}
}
}
```

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