

student - Notepad

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```
package CIE;

import java.util.*;
public class student
{
    public String usn,name;
    public int sem;

    public void inputd()
    {
        Scanner sc=new Scanner(System.in);
        System.out.println("enter usn,name,sem");
        usn=sc.next();
        name=sc.next();
        sem=sc.nextInt();
    }

    public void display()
    {
        System.out.println("usn="+usn+"   name="+name+"   sem="+sem);
    }
}
```

# internals - Notepad

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```
package CIE;
```

```
import java.util.*;
```

```
public class internals extends student
```

```
{
```

```
    public int a[];
```

```
    public void input()
```

```
    {
```

```
        Scanner sc=new Scanner(System.in);
```

```
        System.out.println("enter cie marks(5 subjects) out of 50");
```

```
        a=new int[5];
```

```
        for(int i=0;i<5;i++)
```

```
            a[i]=sc.nextInt();
```

```
}
```

```
}
```



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## externals - Notepad

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```
package SEE;
import CIE.*;
import java.util.*;

public class externals extends CIE.student
{
    public int a[];
    public void input()
    {
        Scanner sc=new Scanner(System.in);
        System.out.println("enter see marks(5 subjects) out of 100");
        a=new int[5];
        for(int i=0;i<5;i++)
            a[i]=sc.nextInt();
    }
}
```



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# total - Notepad

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

class total
{
    public static void main(String[] args)
    {

        Scanner sc=new Scanner(System.in);
        System.out.println("enter number of students ");
        int n=sc.nextInt();
        CIE.internals in[]=new CIE.internals[n];
        SEE.externals ex[]=new SEE.externals[n];
        int total;
        for(int j=0;j<n;j++)
        {
            System.out.println("enter"+(j+1)+"student details:");
            in[j]=new CIE.internals();
            ex[j]=new SEE.externals();
            in[j].inputd();

            in[j].input();
            ex[j].input();
        }

        System.out.println(" ");
        for(int j=0;j<n;j++)
        {
            in[j].display();
            System.out.println("\nstudent "+(j+1)+" total marks:");

        for(int k=0;k<5;k++)
            System.out.println(in[j].a[k]+(ex[j].a[k]/2));
    }
}
```



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total - Notepad

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```
public static void main(String[] args)
{
    Scanner sc=new Scanner(System.in);
    System.out.println("enter number of students ");
    int n=sc.nextInt();
    CIE.internals in[]=new CIE.internals[n];
    SEE.externals ex[]=new SEE.externals[n];
    int total;
    for(int j=0;j<n;j++)
    {
        System.out.println("enter"+(j+1)+"student details:");
        in[j]=new CIE.internals();
        ex[j]=new SEE.externals();
        in[j].inputd();

        in[j].input();
        ex[j].input();
    }

    System.out.println(" ");
    for(int j=0;j<n;j++)
    {
        in[j].display();
        System.out.println("\nstudent "+(j+1)+" total marks:");

        for(int k=0;k<5;k++)
            System.out.println(in[j].a[k]+(ex[j].a[k]/2));

    }
}
```

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