
A screenshot of a code editor with a dark theme. The top of the editor shows several open tabs: 'blogs.html', 'example.java', 'helloworld.java' (which is the active tab), 'test.txt', and 'wsgi.py'. The 'helloworld.java' tab contains a Java program. The code is as follows:

```
1  class helloworld{  
2      public static void main(String args[]){  
3          System.out.println("Hello world");  
4      }  
5  }
```

The code is color-coded: 'class' is blue, 'helloworld' is green, 'public' is red, 'static' is red, 'void' is red, 'main' is blue, 'String' is blue, 'args' is red, 'System.out' is blue, 'println' is blue, and the string "Hello world" is yellow. The line numbers 1 through 5 are on the left side of the editor.

 Administrator: Windows PowerShell

Windows PowerShell

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Try the new cross-platform PowerShell <https://aka.ms/powershell>

PS C:\Windows\system32> **cd** D:\java\_programs

PS D:\java\_programs> **javac** helloworld.java

PS D:\java\_programs> **java** helloworld

Hello world

PS D:\java\_programs> **javac** largest.java

PS D:\java\_programs> **java** largest

blogs.html

example.java

helloworld.java

largest.java

test.txt

```
1 class largest{
2     public static void main(String args[]){
3         int a=3,b=4,c=5;
4         if(a>b && a>c){
5             System.out.println("Largest number is: "+a);
6         }
7         else if(b>a&&b>c){
8             System.out.println("Largest number is: "+b);
9         }
10        else
11            System.out.println("Largest number is: "+c);
12    }
13 }
```



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Try the new cross-platform PowerShell <https://aka.ms/pscore>

```
PS C:\Windows\system32> cd D:\java_programs
```

```
PS D:\java_programs> javac helloworld.java
```

```
PS D:\java_programs> java helloworld
```

Hello world

```
PS D:\java_programs> javac largest.java
```

```
PS D:\java_programs> java largest
```

Largest number is: 5

```
PS D:\java_programs> ■
```

blogs.html

example.java

x

helloworld.java

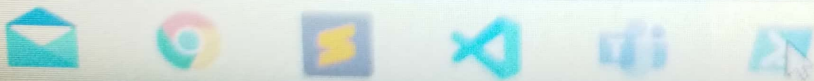
x

largest.java

```
1 import java.util.Scanner;
2 class n_numbers{
3     public static void main(String args[]){
4         System.out.print("Enter n value: ");
5         Scanner in = new Scanner(System.in);
6         int n=in.nextInt();
7         for(int i=1;i<=n;i++){
8             System.out.println(i);
9         }
10    }
11 }
```



```
9
10
PS D:\java_programs> javac n_numbers.java
PS D:\java_programs> java n_numbers
Enter n value: 10
1
2
3
4
5
6
7
8
9
10
PS D:\java_programs> _
```



```

1  import java.util.*;
2  class cie{
3      public static void main(String args[]){
4          Scanner in=new Scanner(System.in);
5          System.out.print("Enter cie marks(out of 50): ");
6          int ci=in.nextInt();
7          System.out.print("Enter SEE marks(out of 100): ");
8          int see=in.nextInt();
9          see=see/2;
10         int tot= ci+see;
11         if(tot>90&&tot<100){
12             System.out.println("Grade is: S");
13         }
14         else if(tot>80){
15             System.out.println("Grade is: A");
16         }
17         else if(tot>70){
18             System.out.println("Grade is: B");
19         }
20         else if(tot>60){
21             System.out.println("Grade is: C");
22         }
23         else if(tot>50){
24             System.out.println("Grade is: D");
25         }
26         else if(tot>40){
27             System.out.println("Grade is: E");
28         }
29         else if(tot<40){
30             System.out.println("Grade is: F");
31         }
32         else
33             System.out.println("error");
34     }
35 }

```



Grade 1s: A

```
PS D:\java_programs> javac cie.java
```

```
PS D:\java_programs> java cie
```

Enter cie marks(out of 50): 48

Enter SEE marks(out of 100): 61

Grade 1s: B

```
PS D:\java_programs> █
```



```
1 import java.util.Scanner;
2 class pattern{
3     public static void main(String args[]){
4         System.out.print("Enter n value: ");
5         Scanner in = new Scanner(System.in);
6         int n=in.nextInt();
7         int count=1;
8         for(int i=1;i<=n;i++){
9             System.out.print("\n");
10            for(int j=0;j<i;j++){
11                System.out.print("\t"+count);
12                count++;
13            }
14        }
15    }
16 }
17 }
```

Windows PowerShell

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Try the new cross-platform PowerShell <https://aka.ms/pscore6>

PS C:\Windows\system32> cd D:\java\_programs

PS D:\java\_programs> javac pattern.java

PS D:\java\_programs> java pattern

Enter n value: 5

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

PS D:\java\_programs> █



```

9 #include <stdio.h>
10 #include <conio.h>
11
12 main()
13 {
14     int n,i,a,count1=0,count2=0,count3=0,k,z1,z2,z3,temp1=0,temp2=0,temp3=0;
15     printf("Enter number of students: \n");
16     scanf("%d",&n);
17     struct students{
18         char stu1[20];
19     };
20     struct students s1[n];
21     struct student2{
22         char stu2[20];
23     };
24     struct student2 s2[n];
25     struct student3{
26         char stu3[20];
27     };
28     struct student3 s3[20];
29
30
31     char name[20];
32
33     printf("choose 1 for internet of things\n 2 for Advanced java\n 3 for Advanced da
34     for(i=0;i<n;i++){

```

```

printf("choose 1 for internet of things\n 2 for Advanced java\n 3 for Advanced data structures\n");
for(i=0;i<n;i++){
    printf("Name of student %d: \n",i+1);
    scanf("%s",&name);
    printf("Choose the course: \n");
    scanf("%d",&a);
    if(a==1){
        count1=count1+1;
        z1=temp1;
        s1[z1].stu1==name;
        temp1=temp1+1;
    }
    else if(a==2){
        count2=count2+1;
        z2=temp2;
        s2[z2].stu2==name;
        temp2=temp2 +1;
    }
    else if(a==3){
        count3=count3+1;
        z3=temp3;
        s3[z3].stu3==name;
        temp3=temp3+1;
    }
}

```



```

55     temp3;
56     s3[z3].stu3 = name;
57     temp3 = temp3 + 1;
58
59 }
60
61 }
62 if(count1+count2+count3<30){
63     printf("Cannot float the students");
64 }
65 printf("The students in iot are: \n");
66 for(k=0;k<=n;k++){
67     printf("%s",s1[k].stu1);
68 }
69     printf("The students in advanced java are: \n");
70 for(k=0;k<=n;k++){
71     printf("%s",s2[k].stu2);
72 }
73 printf("The students in advanced data structures are: \n");
74 for(k=0;k<=n;k++){
75     printf("%s",s3[k].stu3);
76 }
77
78
79 }

```