

The screenshot shows an IDE window titled "firstJavaProgram - Week6\_7.java". The menu bar includes File, Edit, View, Navigate, Code, Analyze, Refactor, Build, Run, Tools, VCS, Window, and Help. The project structure on the left shows "firstJavaProgram" with a sub-package "com.company". The "Week6\_7.java" file is open, showing the following code:

```
1 package com.company;
2 import java.util.Scanner;
3 class Operator{
4     int operand1,operand2,result1,result2;
5     void arithmetic(int op1,int op2){
6         System.out.println("ARITHMETIC CATEGORY:");
7         System.out.println();
8         result1=(op1+op2);
9         result2=(op1*op2);
10        System.out.println("Addition:"+result1);
11        System.out.println("Multiplication:"+result2);
12        System.out.println();
13    }
14    void relational(int op1,int op2){
15        System.out.println("RELATIONAL CATEGORY:");
16        System.out.println();
17        boolean m=op1>op2;
18        boolean n=op1<=op2;
19        if (m){
20            System.out.println(op1+" is greater than "+op2);
21        }
22        else{
23            System.out.println(op2+" is greater than "+op1);
24        }
25        if (n){
26            System.out.println(op1+" is less than or equal to "+op2);
27        }
28    }
29 }
```

The IDE interface includes a "Run" button at the bottom left and a "Run" status bar at the bottom right showing "Inhen2\_abstract x".



File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help firstJavaProgram - Week6\_7.java

firstJavaProgram src com company Week6\_7.java Operator logical

Week6\_3.java Week6\_4.java Week6\_5.java Week6\_6.java Week6\_7.java

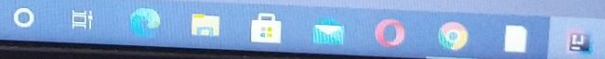
```
28 else{
29     System.out.println(op2+" is less than or equal to "+op1);
30 }
31 System.out.println();
32 }
33 void assignment(int op1,int op2){
34     System.out.println("ASSIGNMENT CATEGORY:");
35     System.out.println();
36     boolean z=(op1==op2);
37     if (z){
38         System.out.println(op1+" is equal to "+op2);
39     }
40     else{
41         System.out.println(op1+" is not equal to "+op2);
42     }
43     System.out.println();
44 }
45 void logical(int op1,int op2){
46     System.out.println("LOGICAL CATEGORY:");
47     System.out.println();
48     result1=(op1 & op2);
49     result2=(op1 | op2);
50     System.out.println("Bitwise and between "+op1+" and "+op2+" : "+result1);
51     System.out.println("Bitwise or between "+op1+" and "+op2+" : "+result2);
52     System.out.println();
53 }
54 }
```

Run: Inherz\_abstract

Run TODO Problems Terminal Build

All files are up-to-date (13 minutes ago)

Type here to search





```

Week6_3.java  lp4.java  Week6_7.java  Week6_6.java  Week6_4.java
else{
    System.out.println(op2+" is less than or equal to "+op1);
}
System.out.println();
}

void assignment(int op1,int op2){
    System.out.println("ASSIGNMENT CATEGORY:");
    System.out.println();
    boolean z=(op1==op2);
    if (z){
        System.out.println(op1+" is equal to "+op2);
    }
    else{
        System.out.println(op1+" is not equal to "+op2);
    }
    System.out.println();
}

void logical(int op1,int op2){
    System.out.println("LOGICAL CATEGORY:");
    System.out.println();
    result1=(op1 & op2);
    result2=(op1 | op2);
    System.out.println("Bitwise and between "+op1+" and "+op2+" : "+result1);
    System.out.println("Bitwise or between "+op1+" and "+op2+" : "+result2);
    System.out.println();
}
}

```

```
55 ▶ public class Week6_7 {  
56 ▶     public static void main(String[] args){  
57         Scanner s=new Scanner(System.in);  
58         Operator o=new Operator();  
59         System.out.println("Input operand1:");  
60         o.operand1=s.nextInt();  
61         System.out.println("Input operand 2:");  
62         o.operand2=s.nextInt();  
63         o.arithmetic(o.operand1,o.operand2);  
64         o.relational(o.operand1,o.operand2);  
65         o.assignment(o.operand1,o.operand2);  
66         o.logical(o.operand1,o.operand2);  
67     }  
68 }  
69 |
```



Input operand1:

1

Input operand 2:

2

ARITHMETIC CATEGORY:

Addition:3

Multiplication:2

RELATIONAL CATEGORY:

2 is greater than 1

1 is less than or equal to 2

ASSIGNMENT CATEGORY:

1 is not equal to 2

LOGICAL CATEGORY:

Bitwise and between 1 and 2 : 0

Bitwise or between 1 and 2 : 3

Process finished with exit code 0

Run TODO Problems Terminal Build

All Files are up-to-date (moments ago)