

## LAB MANUAL

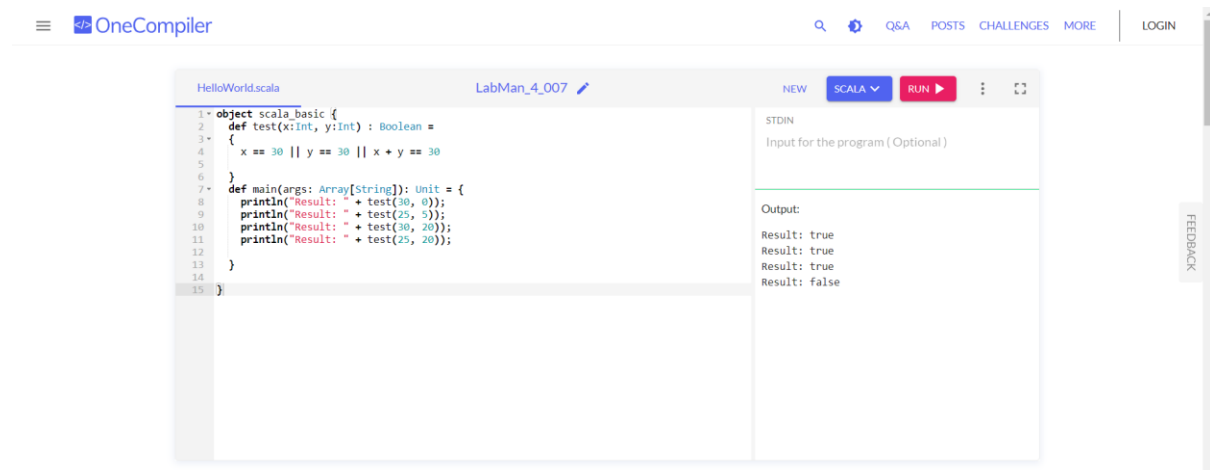
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AVANI SHAJI KRISHNA

22BTRAD007

<https://github.com/avaniskrishna/ScalaProgramming>

Q. Write a Scala program to check two given integers, and return true if one of them is 30 or if their sum is 30.

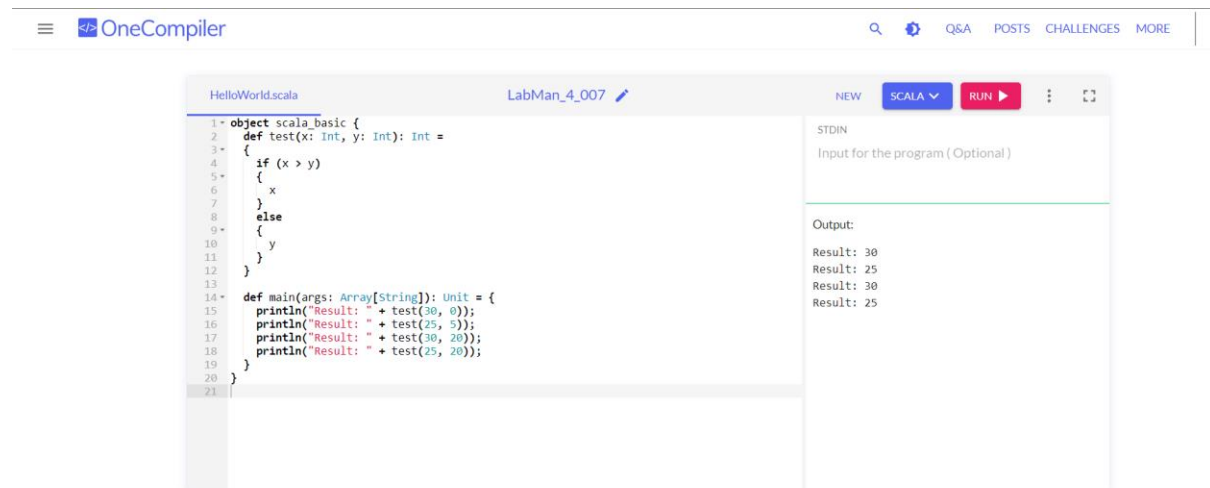


The screenshot shows the OneCompiler interface with a Scala program named 'LabMan\_4\_007'. The code defines a function 'test' that takes two integers 'x' and 'y' and returns a Boolean. The function returns true if 'x' is 30, 'y' is 30, or the sum of 'x' and 'y' is 30. The 'main' function calls 'test' with three pairs of arguments: (30, 0), (25, 5), and (30, 20). The output shows 'Result: true' for the first two cases and 'Result: false' for the third.

```
1 object scala_basic {  
2   def test(x:Int, y:Int) : Boolean =  
3   {  
4     x == 30 || y == 30 || x + y == 30  
5   }  
6  
7   def main(args: Array[String]): Unit = {  
8     println("Result: " + test(30, 0));  
9     println("Result: " + test(25, 5));  
10    println("Result: " + test(30, 20));  
11    println("Result: " + test(25, 20));  
12  }  
13  
14  
15 }
```

Output:  
Result: true  
Result: true  
Result: false

Modified Q. Write a Scala program to check the greater one in the given two given integers and print the greater integer.



The screenshot shows the OneCompiler interface with a Scala program named 'LabMan\_4\_007'. The code defines a function 'test' that takes two integers 'x' and 'y' and returns the greater of the two. The function uses an if-else statement to compare 'x' and 'y'. The 'main' function calls 'test' with the same three pairs of arguments as the previous program: (30, 0), (25, 5), and (30, 20). The output shows 'Result: 30', 'Result: 25', and 'Result: 30' respectively.

```
1 object scala_basic {  
2   def test(x: Int, y: Int): Int =  
3   {  
4     if (x > y)  
5     {  
6       x  
7     }  
8     else  
9     {  
10      y  
11    }  
12  }  
13  
14  def main(args: Array[String]): Unit = {  
15    println("Result: " + test(30, 0));  
16    println("Result: " + test(25, 5));  
17    println("Result: " + test(30, 20));  
18    println("Result: " + test(25, 20));  
19  }  
20  
21 }
```

Output:  
Result: 30  
Result: 25  
Result: 30  
Result: 25