Scala Programming

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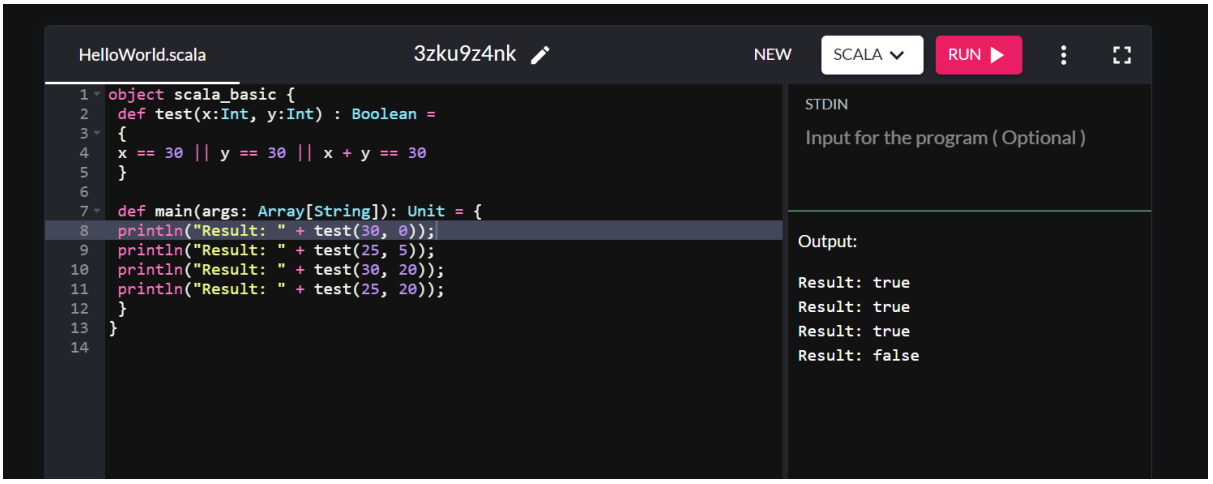
Scala program to return true if any of the integers or the sum of the 2 integers is 30:

Code:

```
object scala_basic {
 def test(x:Int, y:Int) : Boolean =
 {
 x == 30 || y == 30 || x + y == 30
 }

 def main(args: Array[String]): Unit = {
 println("Result: " + test(30, 0));
 println("Result: " + test(25, 5));
 println("Result: " + test(30, 20));
 println("Result: " + test(25, 20));
 }
}
```

Output:



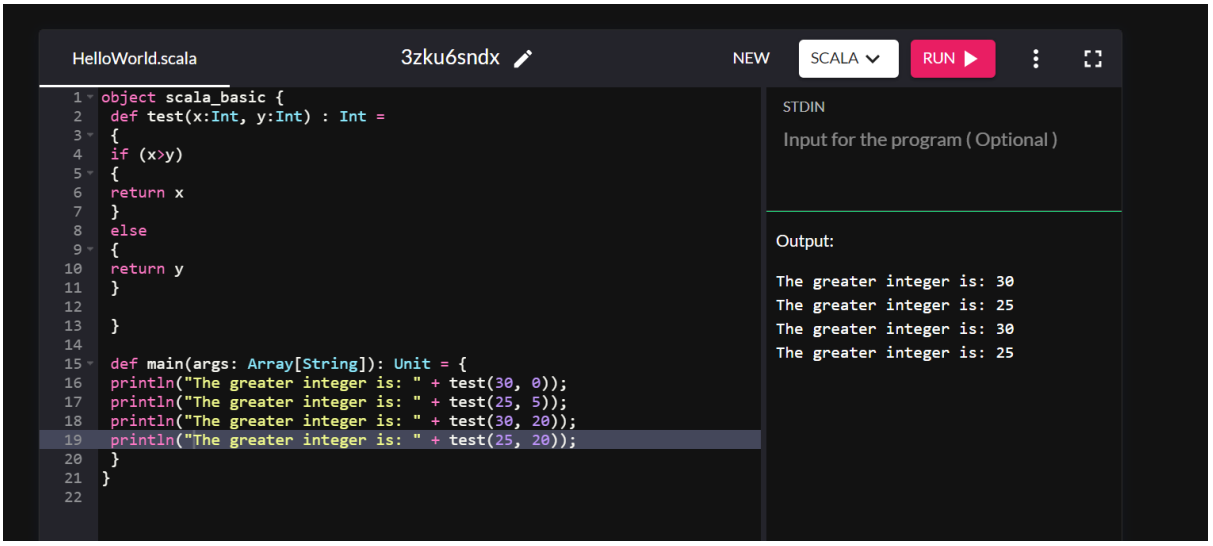
Scala program to find the larger integer among 2 given integers :

Code:

```
object scala_basic {
 def test(x:Int, y:Int) : Int =
 {
If (x>y){
return x}
else{
return y}
 }

 def main(args: Array[String]): Unit = {
 println("The greater integer is: " + test(30, 0));
 println("The greater integer is: " + test(25, 5));
 println("The greater integer is: " + test(30, 20));
 println("The greater integer ist: " + test(25, 20));
 }
}
```

Output:

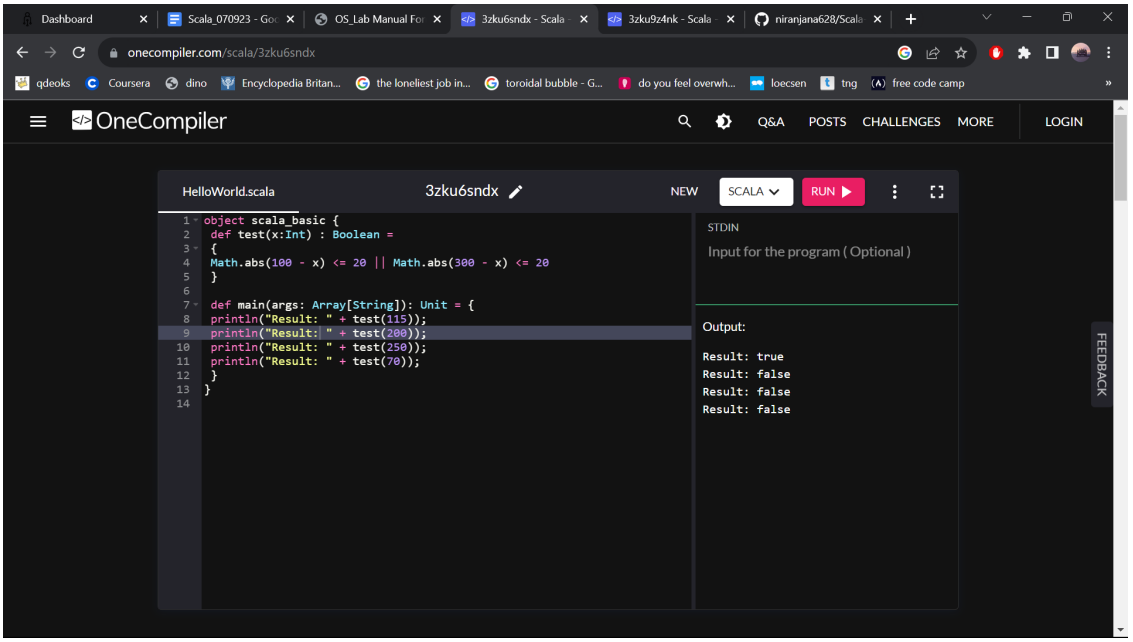


Write a Scala program to check a given integer and return true if it is within 20 of 100 or 300.

Code:

```
object scala_basic {
 def test(x:Int) : Boolean ={
 Math.abs(100 - x) <= 20 || Math.abs(300 - x) <= 20
 }
 def main(args: Array[String]): Unit = {
 println("Result: " + test(115));
 println("Result: " + test(200));
 println("Result: " + test(250));
 println("Result: " + test(70));
 }
}
```

Output:



Scala program to check the math.abs() function changes the sign of values