Scala Programming

07/09/2023

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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:

```
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                                                                                                              NEW
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                                                                                                                           SCALA 🗸
HelloWorld.scala
                                                                                                                                              RUN >
    object scala_basic {
       def test(x:Int, y:Int) : Boolean =
                                                                                                                      Input for the program (Optional)
         == 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:
                                                                                                                      Result: true
                                                                                                                     Result: true
                                                                                                                      Result: true
                                                                                                                      Result: false
```

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}
  }

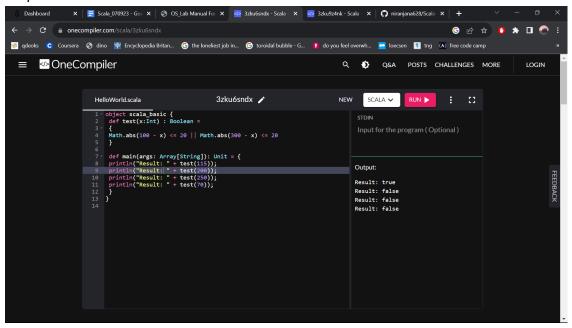
  def main(args: Array[String]): Unit = {
    println("The greater integer is: " + test(30, 0));
    println("The greater integer is: " + test(25, 5));
    println("The greater integer is: " + test(30, 20));
    println("The greater integer is: " + test(25, 20));
  }
}
```

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

```
HelloWorld.scala
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                                                                                                  NEW
                                                                                                             SCALA 🗸
                                                                                                                                               :
                                                                                                                                                      83
                                                                                                                              RUN 🕨
    object scala_basic {
  def test1(x:Int) : Int =
                                                                                                                             ctrl + enter
                                                                                                          Input for the program (Optional)
    return Math.abs(10-x)
     def test2(y:Int) : Int =
    return (10-y)
}
                                                                                                        Output:
                                                                                                         Result: 20
    def main(args: Array[String]): Unit = {
println("Result: " + test1(30));
println("Result: " + test2(30));
                                                                                                        Result: -20
```