Scala Programming

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Practice2

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

```
Output:

Result: true
Result: true
Result: true
Result: false
```

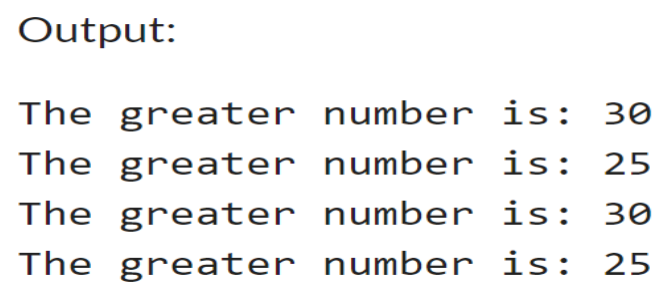
2.Write a scala program to print given two integers and return the integer that has the greatest value.

Code:

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

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

Output:



3.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: