

# SCALA PROGRAMMING

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Course: AI&DE

Section: A

**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) : Int =  
  {  
    if (x>=y) x else y  
  }  
  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: 30  
Result: 25  
Result: 30  
Result: 25
```

**Write a Scala program to return the greatest integer among the given integers.**

**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
```

**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:**

Output:

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