

# Lab Experiment 2

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1. Scala program to find largest number among two numbers.

```
object LargestNumber {  
  def main(args: Array[String]): Unit = {  
    // Taking input from the user or you can directly assign values  
    println("Enter the first number:")  
    val num1 = scala.io.StdIn.readInt()  
  
    println("Enter the second number:")  
    val num2 = scala.io.StdIn.readInt()  
  
    // Finding the largest number  
    val result = if (num1 > num2) num1 else num2  
  
    // Displaying the result  
    println(s"The largest number among $num1 and $num2 is: $result")  
  }  
}
```

2. Scala program to find a number is positive, negative or positive.

```

object NumberCheck {
  def main(args: Array[String]): Unit = {
    // Taking input from the user or you can directly assign values
    println("Enter a number:")
    val num = scala.io.StdIn.readInt()

    // Checking whether the number is positive, negative, or zero
    val result = if (num > 0) "Positive"
                  else if (num < 0) "Negative"
                  else "Zero"

    // Displaying the result
    println(s"The number $num is $result.")
  }
}

```

3. Scala program to print numbers from 1 to 100 using for loop.

```

object PrintNumbers {
  def main(args: Array[String]): Unit = {
    // Using a for loop to iterate from 1 to 100 (inclusive)
    for (i <- 1 to 100) {
      println(i)
    }
  }
}

```

4. Write a program using Scala to print odd and even numbers from a range of 30 numbers.

```
object OddEvenNumbers {  
  def main(args: Array[String]): Unit = {  
    // Using a for loop to iterate from 1 to 30 (inclusive)  
    for (i <- 1 to 30) {  
      if (i % 2 == 0) {  
        println(s"$i is even")  
      } else {  
        println(s"$i is odd")  
      }  
    }  
  }  
}
```