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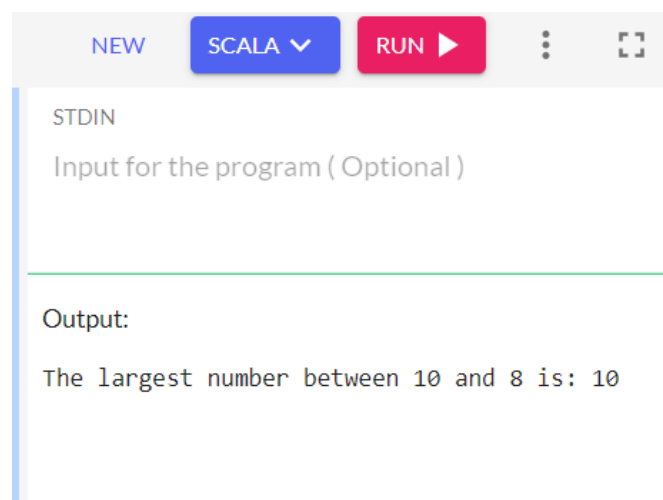
LAB 2

Q1. Scala program to find largest number among two numbers.

Ans:- **Code-**

```
object LargestNumberFinder extends App {  
  def findLargestNumber(num1: Int, num2: Int): Int = {  
    if (num1 > num2) {  
      num1  
    } else {  
      num2  
    }  
  }  
  
  val number1: Int = 10  
  val number2: Int = 8  
  
  val largestNumber: Int = findLargestNumber(number1, number2)  
  
  println(s"The largest number between $number1 and $number2 is: $largestNumber")  
}
```

OUTPUT:

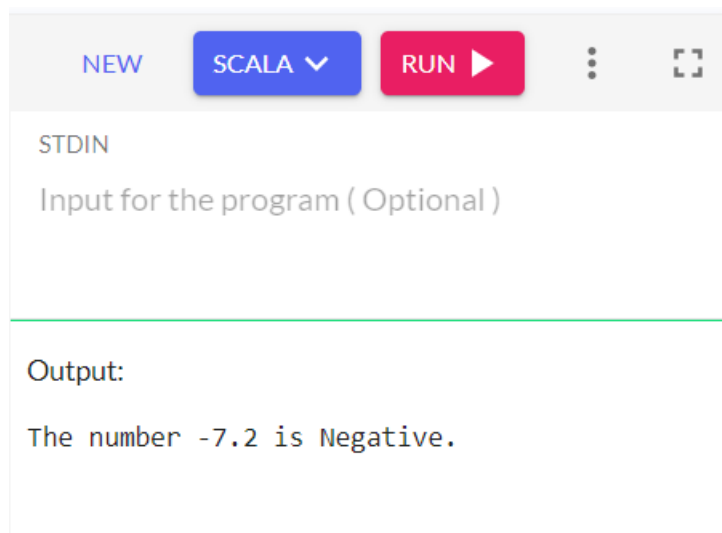


Q2. Scala program to find a number is positive, negative or positive.

Ans:- **Code-**

```
object NumberClassifier extends App {  
  def classifyNumber(num: Double): String = {  
    if (num > 0) {  
      "Positive"  
    } else if (num < 0) {  
      "Negative"  
    } else {  
      "Zero"  
    }  
  }  
  val inputNumber: Double = -7.2  
  val result: String = classifyNumber(inputNumber)  
  println(s"The number $inputNumber is $result.")  
}
```

OUTPUT:



Q3. Scala program to print numbers from 1 to 100 using for loop.

Ans:- **Code-**

```
object PrintNumbers extends App{  
  for (i <- 1 to 100) {  
    println(i)  
  }  
}
```

OUTPUT:-

NEW SCALA ▾ RUN ▶ ⋮

STDIN

Input for the program (Optional)

Output:

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

Q4. Write a program using Scala to print odd and even numbers from a range of 30 numbers.

Ans:- **Code-**

```
object OddEvenNumbers extends App {  
  val rangeStart: Int = 1  
  val rangeEnd: Int = 30  
  println("Even Numbers:")  
  for (num <- rangeStart to rangeEnd if num % 2 == 0) {  
    println(num)  
  }  
  println("\nOdd Numbers:")  
  for (num <- rangeStart to rangeEnd if num % 2 != 0) {  
    println(num)  
  }  
}
```

OUTPUT:-

NEW

SCALA ▾

RUN ▶



STDIN

Input for the program (Optional)

Odd Numbers :

1
3
5
7
9
11
13
15
17
19
21
23
25
27
29



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