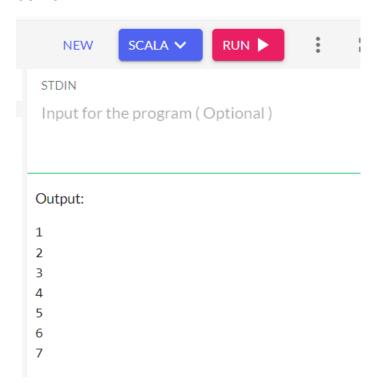
Q1. Scala program to implement the foreach loop on a list of numbers.

Ans: Code:-

```
HelloWorld.scala

1 object ForEach extends App {
2
3 val numbers = List(1, 2, 3, 4, 5,6,7)
4
5
6 numbers.foreach(num => println(num))
7 //vaswati//
8 }
```

OUTPUT:



Q2. Scala program to create a user define function to return largest number among two numbers entered by user.

```
HelloWorld.scala
 1 * object Func{
        def comp(a:Int, b:Int): Int={
 2 🕶
 3 ₹
      if(a>b){
 4
         return a;
 5
 6 🕶
      else{
 7
         return b;
 8
 9
10 •
        def main(args: Array[String]):Unit={
      println("Enter the two nos.");
11
12
      var p=scala.io.StdIn.readLine().toInt
13
      var q=scala.io.StdIn.readLine().toInt
      println("The largest no. is " + comp(p,q));
14
15
16
17 //vaswati//
```



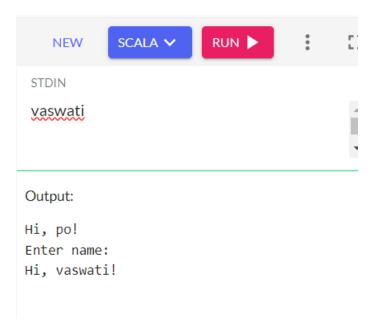
Output:

Enter the two nos.



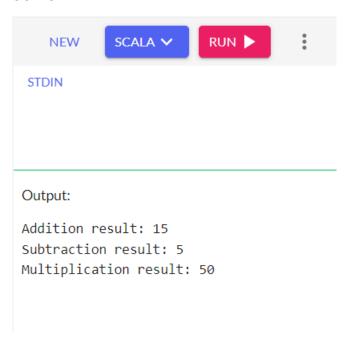
Q3. Scala code to create a function with default arguments. Wish good morning to the person.

```
HelloWorld.scala
                                                        423wa1
 1 • object Night {
      def main(args: Array[String]): Unit = {
 3
         greet()
 4
         println("Enter name:")
 5
         val name = scala.io.StdIn.readLine().toString()
         greet(name)
 6
 7
 8
      def greet(name: String="po"): Unit = {
  println("Hi, " + name + "!")
 9 🕶
10
11
12
13 //vaswati//
14
```



Q4. Scala code to create anonymous functions for add, sub, and mul with => operator.

```
423wat7
  HelloWorld.scala
  1 • object AnonymousFunctions {
       def main(args: Array[String]): Unit = {
  3
         val add = (x: Int, y: Int) => x + y
  4
  5
         val sub = (x: Int, y: Int) \Rightarrow x - y
         val mul = (x: Int, y: Int) => x * y
  6
  7
  8
  9
         val resultAdd = add(10, 5)
         val resultSub = sub(10, 5)
 10
         val resultMul = mul(10, 5)
 11
 12
 13
         println("Addition result: " + resultAdd)
 14
         println("Subtraction result: " + resultSub)
 15
         println("Multiplication result: " + resultMul)
 16
 17
 18 }
19 //vaswati//
```



Q5. Scala code to create anonymous functions for add, sub, and mul with _ operator.

```
423wat7
 HelloWorld.scala
 1 • object AnonymousFunctions {
      def main(args: Array[String]): Unit = {
 3
         val add = (_: Int) + (_: Int)
 4
 5
        val sub = (_: Int) - (_: Int)
        val mul = (: Int) * (: Int)
 6
 7
 8
 9
        val resultAdd = add(10, 5)
10
        val resultSub = sub(10, 5)
11
        val resultMul = mul(10, 5)
12
13
        println("Addition result: " + resultAdd)
println("Subtraction result: " + resultSub)
14
15
        println("Multiplication result: " + resultMul)
16
17
    }
18
19
20 //vaswati//
```

