DATA SCIENCE

SCALA PROGRAMMING

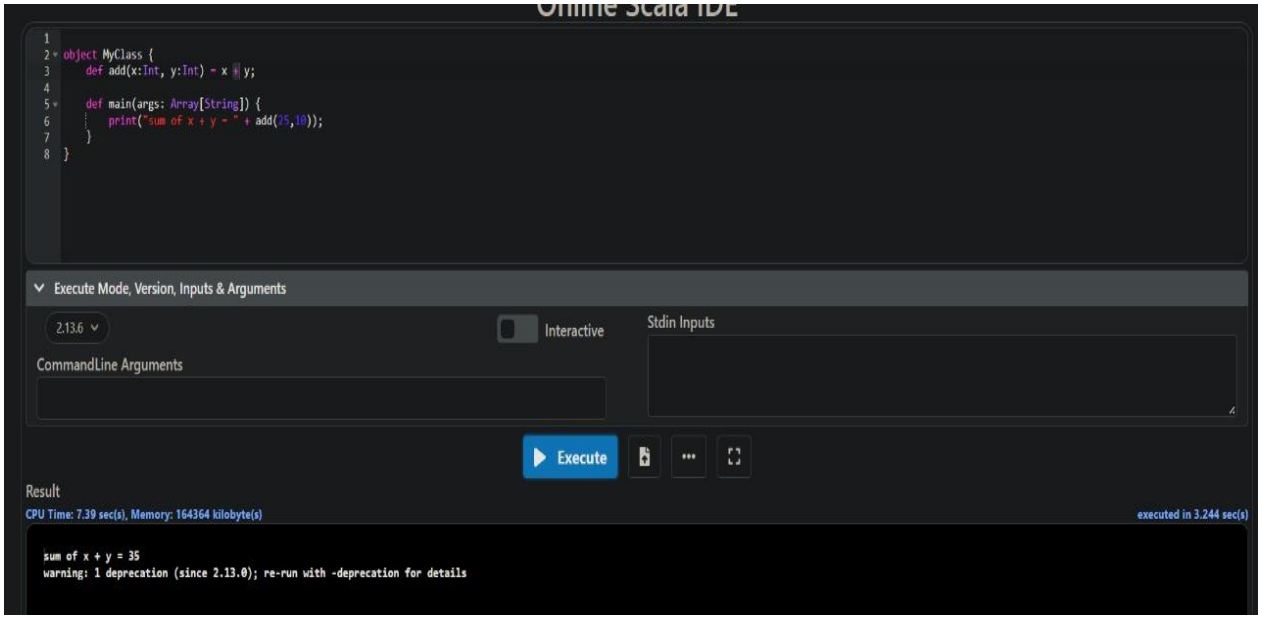
1.Addition of two numbers

CODE

```
object MyClass {
    def add(x:Int, y:Int) = x + y;

    def main(args: Array[String]) {
        print("sum of x + y = " + add(25,10));
    }
}
```

OUTPUT



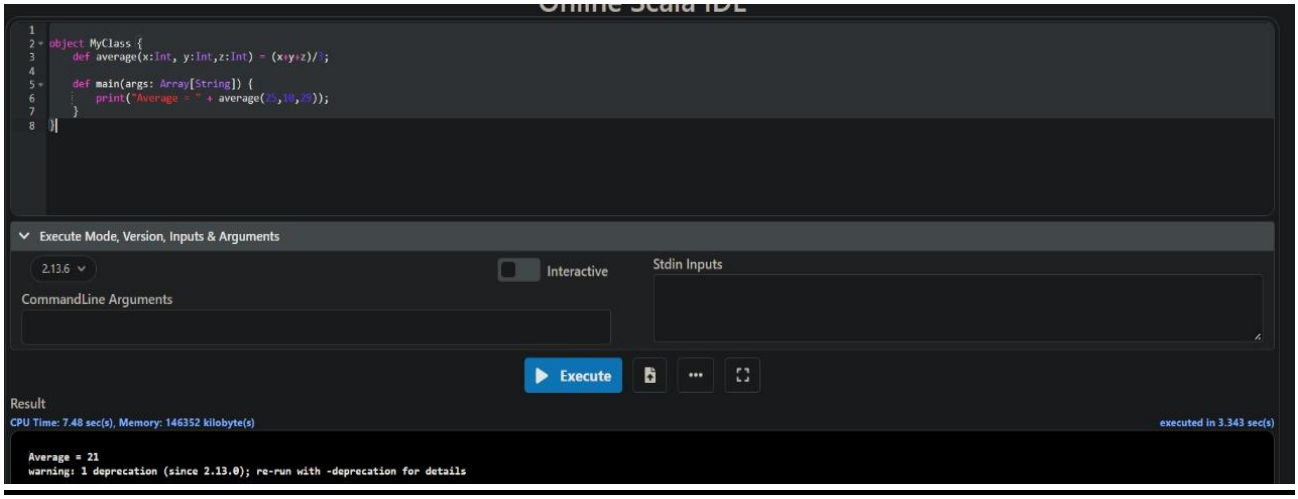
2.Find the average of two numbers.

CODE

```
object MyClass {
    def average(x:Int, y:Int,z:Int) = (x+y+z)/3;
```

```
    def main(args: Array[String]) {
        print("Average = " + average(25,10,29));
    }
}
```

OUTPUT



3. check two given integers, and return true if one of them is 30 or if their sum is 30.

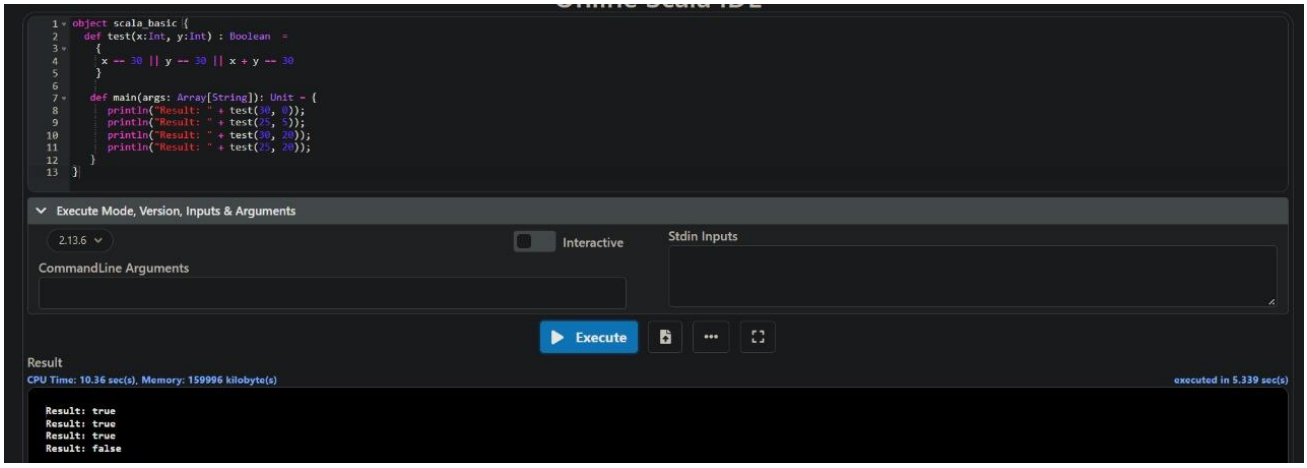
CODE

```
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



4.get the absolute difference between n and 51. If n is greater than 51 return triple the absolute difference

CODE

```
object scala_basic {
  def test(x:Int) : Int =
    {
    val abs_Diff = Math.abs(x - 51)
    if (x > 51) 3 * abs_Diff else abs_Diff
    }

  def main(args: Array[String]): Unit = {
    println("Result: " + test(60));
```

```
        println("Result: " + test(40));
    }
}
```

OUTPUT