

SCALA PROGRAMMING

Write a Scala program to create a map and find the difference between two maps.

Code:

```
object FindDifferenceBetweenMapsExample {  
  def main(args: Array[String]): Unit = {  
    // Create two maps  
    val map1 = Map("Red" -> 1, "Green" -> 4, "Blue" -> 2, "Orange" -> 3)  
    val map2 = Map("Red" -> 5, "Green" -> 4, "Blue" -> 2, "Pink" -> 3)  
    // Print the original map  
    println("Original map1: " + map1)  
    println("Original map2: " + map2)  
    // Find the difference between the maps  
    val difference = map1 -- map2.keySet  
    // Print the result  
    println(s"The difference between the maps is: $difference")  
  }  
}
```

Output:

Output:

```
Original map1: Map(Red -> 1, Green -> 4, Blue -> 2, Orange -> 3)  
Original map2: Map(Red -> 5, Green -> 4, Blue -> 2, Pink -> 3)  
The difference between the maps is: Map(Orange -> 3)
```

Screenshot:

```
1 object FindDifferenceBetweenMapsExample {
2   def main(args: Array[String]): Unit = {
3     // Create two maps
4     val map1 = Map("Red" -> 1, "Green" -> 4, "Blue" -> 2, "Orange" -> 3)
5     val map2 = Map("Red" -> 5, "Green" -> 4, "Blue" -> 2, "Pink" -> 3)
6
7     // Print the original map
8     println("Original map1: " + map1)
9     println("Original map2: " + map2)
10    // Find the difference between the maps
11    val difference = map1 -- map2.keySet
12    // Print the result
13    println(s"The difference between the maps is: $difference")
14  }
15 }
16
```

STDIN

Input for the program (Optional)

Output:

Original map1: Map(Red -> 1, Green -> 4, Blue -> 2, Orange -> 3)

Original map2: Map(Red -> 5, Green -> 4, Blue -> 2, Pink -> 3)

The difference between the maps is: Map(Orange -> 3)