

LAB-18
AYUSHI TAWARI
22BTRAD008

The screenshot shows the OneCompiler website interface. The browser tab is titled "3zpy7meaq - Scala - OneComp". The URL is "onecompiler.com/scala/3zpy7meaq". The code editor shows a file named "HelloWorld.scala" with the following Scala code:

```
1 object CommonElementsSetExample {
2   def main(args: Array[String]): Unit = {
3     val fruits = Set("Apple", "Mango", "Orange", "Tomato")
4     val vege = Set("Tomato", "Raddish", "Carrot")
5
6     println("Fruits_set: " + fruits)
7     println("Vegetables_set: " + vege)
8
9     val commonElements = fruits.intersect(vege)
10    println("Common elements: " + commonElements)
11  }
12 }
```

The right-hand side of the interface shows the "STDIN" section with "Input for the program (Optional)" and the "Output" section with the following results:

```
Fruits_set: Set(Apple, Mango, Orange, Tomato)
Vegetables_set: Set(Tomato, Raddish, Carrot)
Common elements: Set(Tomato)
```

The Windows taskbar at the bottom shows the date and time as 18:11 on 09-10-2023, with a weather forecast of 26°C and rain showers.

The screenshot shows the OneCompiler website interface. The browser tab is titled "3zpy7meaq - Scala - OneComp". The URL is "onecompiler.com/scala/3zpy7meaq". The code editor shows a file named "HelloWorld.scala" with the following Scala code:

```
1 object CommonElementsSetExample {
2   def main(args: Array[String]): Unit = {
3     // Create two sets
4     val set1 = Set(1, 2, 3, 4, 5)
5     val set2 = Set(4, 5, 6, 7, 8)
6     // Print the sets
7     println("Set1: " + set1)
8     println("Set2: " + set2)
9     // Find the common elements between the two sets
10    val commonElements = set1.intersect(set2)
11    // Print the common elements
12    println("Common elements: " + commonElements)
13  }
14 }
```

The right-hand side of the interface shows the "STDIN" section with "Input for the program (Optional)" and the "Output" section with the following results:

```
Set1: HashSet(5, 1, 2, 3, 4)
Set2: HashSet(5, 6, 7, 8, 4)
Common elements: HashSet(5, 4)
```

The Windows taskbar at the bottom shows the date and time as 18:07 on 09-10-2023, with a weather forecast of 26°C and rain showers.

CODE:

```
object CommonElementsSetExample {  
  def main(args: Array[String]): Unit = {  
    val fruits = Set("Apple", "Mango", "Orange", "Tomato")  
    val vege = Set("Tomato", "Raddish", "Carrot")  
  
    println("Fruits_set: " + fruits)  
    println("Vegetables_set: " + vege)  
  
    val commonElements = fruits.intersect(vege)  
    println("Common elements: " + commonElements)  
  }  
}
```

Output:

```
Fruits_set: Set(Apple, Mango, Orange, Tomato)  
Vegetables_set: Set(Tomato, Raddish, Carrot)  
Common elements: Set(Tomato)
```

Github:

<https://github.com/AyushiTawari/scalaprogramming>