

LAB EXPERIMENT 7

Q. Practice Scala collections and their methods:

1. Lists
2. Sets
3. Tuples
4. Maps
5. Options

Solutions:

```
1 object Main {  
2   def main(args: Array[String]): Unit = {  
3     val list = List(1, 2, 3, 4, 5)  
4     val newList = list.map(_ * 2)  
5     println(newList)  
6  
7     val set1 = Set(1, 2, 3)  
8     val set2 = Set(3, 4, 5)  
9     val intersection = set1.intersect(set2)  
10    println(intersection)  
11  
12    val tuple = (1, "functions", true)  
13    println(tuple._2)  
14  
15    val map = Map("a" -> 19, "b" -> 24, "c" -> 33)  
16    println(map.get("c"))  
17  
18    val maybeValue: Option[Int] = Some(69)  
19    val result = maybeValue.getOrElse(0)  
20    println(result)  
21  }  
22 }  
23 //SAGNIKROY_500109927
```

Output:

OUTPUT (STDOUT)

List(2, 4, 6, 8, 10)

Set(3)

functions

Some(33)

69