

SCALA PROGRAMMING

LAB WORK 3

Name: Arjun Unnikrishnan USN: 22BTRAD004

Write a Scala program that creates a class called Person with properties like name, age and country. Implement methods to get and set properties.

Code

```
1 class Person(var name: String, var age: Int, var country: String, var state: String) {
2   def getName: String = name
3   def setName(newName: String): Unit = {name = newName}
4   def getAge: Int = age
5   def setAge(newAge: Int): Unit = {age = newAge}
6   def getCountry: String = country
7   def setCountry(newCountry: String): Unit = {country = newCountry}
8   def getState: String = state
9   def setState(newState: String): Unit = {state = newState}
10  }
11 object PersonApp {
12   def main(args: Array[String]): Unit = {
13     val person = new Person("Arjun Unnikrishnan", 18, "India", "Bangalore")
14     println("Original Person:")
15     println(s"Name: ${person.getName}")
16     println(s"Age: ${person.getAge}")
17     println(s"Country: ${person.getCountry}")
18     println(s"State: ${person.getState}")
19     person.setName("Lionel Messi")
20     person.setAge(36)
21     person.setCountry("Argentina")
22     person.setState("Rosario")
23     println("\nUpdated Person:")
24     println(s"Name: ${person.getName}")
25     println(s"Age: ${person.getAge}")
26     println(s"Country: ${person.getCountry}")
27     println(s"State: ${person.getState}")
28   }
```

Output

```
Output:

Original Person:
Name: Arjun Unnikrishnan
Age: 18
Country: India
State: Bangalore

Updated Person:
Name: Lionel Messi
Age: 36
Country: Argentina
State: Rosario
```

GitHub Link: <https://github.com/arj1-1n/Scala>