LAB MANUAL

PROBLEM STATEMENT 11.

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22BTRAD007

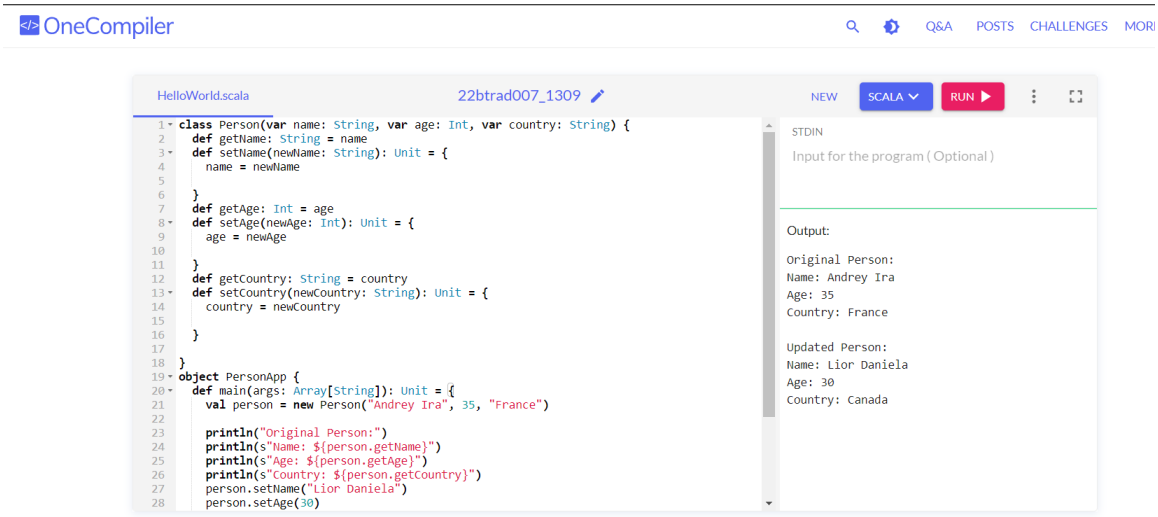
GUTHUB: https://github.com/avaniskrishna/ScalaProgramming

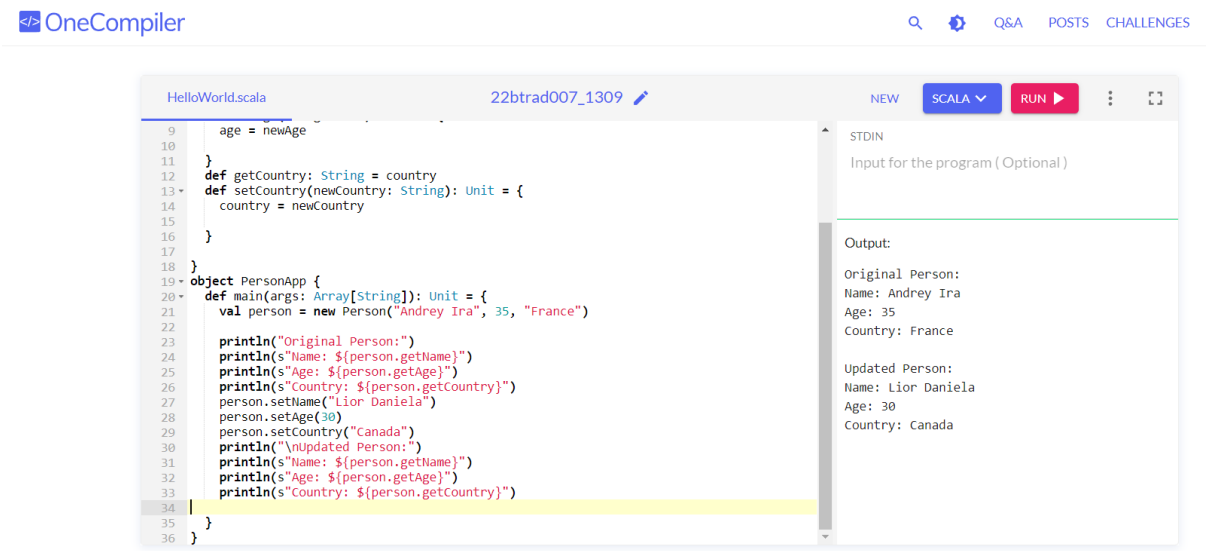
- Write a Scala program that creates a class called Person with properties like name, age and country. Implement methods to get and set properties.

CODE:

```
class Person(var name: String, var age: Int, var country: String) {
  def getName: String = name
  def setName(newName: String): Unit = {
    name = newName

  }
  def getAge: Int = age
  def setAge(newAge: Int): Unit = {
    age = newAge

  }
  def getCountry: String = country
  def setCountry(newCountry: String): Unit = {
    country = newCountry

  }

}
object PersonApp {
  def main(args: Array[String]): Unit = {
    val person = new Person("Andrey Ira", 35, "France")

    println("Original Person:")
```

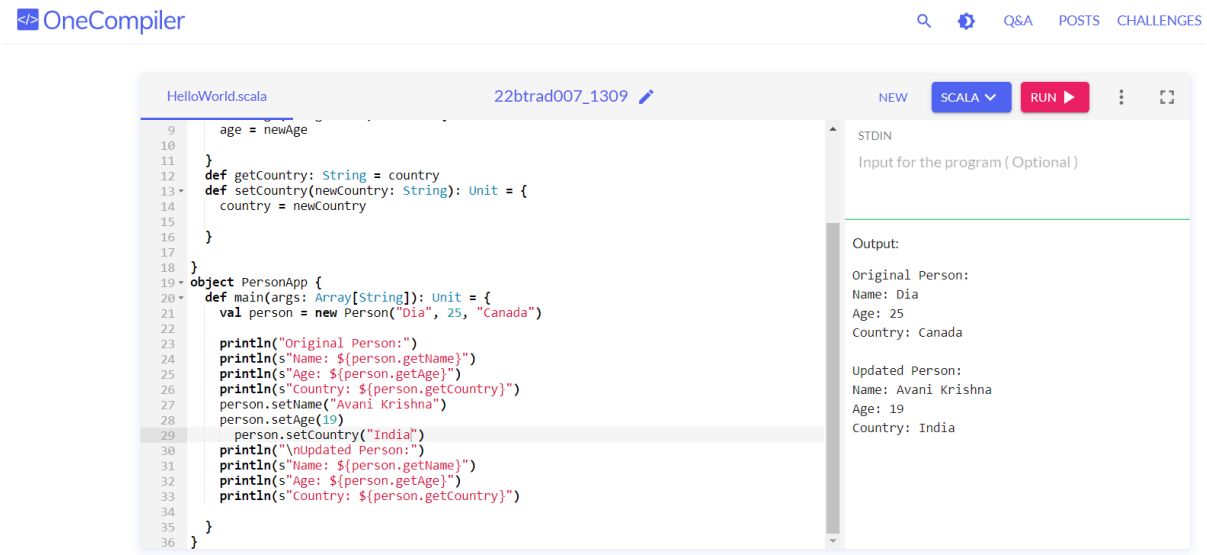
```
    println(s"Name: ${person.getName}")
    println(s"Age: ${person.getAge}")
    println(s"Country: ${person.getCountry}")
    person.setName("Lior Daniela")
    person.setAge(30)
    person.setCountry("Canada")
    println("\nUpdated Person:")
    println(s"Name: ${person.getName}")
    println(s"Age: ${person.getAge}")
    println(s"Country: ${person.getCountry}")

  }
}
```




OneCompiler
Q&A
POSTS
CHALLENGES
HelloWorld.scala
22btrad007_1309
NEW
SCALA
RUN
age = newAge
}
def getCountry: String = country
def setCountry(newCountry: String): Unit = {
country = newCountry
}
}
object PersonApp {
def main(args: Array[String]): Unit = {
val person = new Person("Andrey Ira", 35, "France")
println("Original Person:")
println(s"Name: ${person.getName}")
println(s"Age: ${person.getAge}")
println(s"Country: ${person.getCountry}")
person.setName("Lior Daniela")
person.setAge(30)
person.setCountry("Canada")
println("\nUpdated Person:")
println(s"Name: ${person.getName}")
println(s"Age: ${person.getAge}")
println(s"Country: ${person.getCountry}")
}
}
STDIN
Input for the program (Optional)
Output:
Original Person:
Name: Andrey Ira
Age: 35
Country: France
Updated Person:
Name: Lior Daniela
Age: 30
Country: Canada

OUTPUT:


Output:
Original Person:
Name: Andrey Ira
Age: 35
Country: France
Updated Person:
Name: Lior Daniela
Age: 30
Country: Canada



MODIFICATION:

```
class Person(var name: String, var age: Int, var country: String, var language: String) {
 def getName: String = name
 def setName(newName: String): Unit = {
  name = newName


 }
 def getAge: Int = age
 def setAge(newAge: Int): Unit = {
  age = newAge


 }
 def getCountry: String = country
 def setCountry(newCountry: String): Unit = {
  country = newCountry


 }
 def getLanguage: Int = language
 def setLanguage(newLanguage: Int): Unit = {
  age = newLanguage
```

```
  }
}
object PersonApp {
  def main(args: Array[String]): Unit = {
    val person = new Person("Dia", 25,"Canada", "French")

    println("Original Person:")
    println(s"Name: ${person.getName}")
    println(s"Age: ${person.getAge}")
    println(s"Country: ${person.getCountry}")
    println(s"Language: ${person.getLanguage}")
    person.setName("Avani Krishna")
    person.setAge(19)
    person.setCountry("India")
    person.setLanguage("Hindi")
    println("\nUpdated Person:")
    println(s"Name: ${person.getName}")
    println(s"Age: ${person.getAge}")
    println(s"Country: ${person.getCountry}")
    println(s"Language: ${person.getLanguage}")

  }
}
```