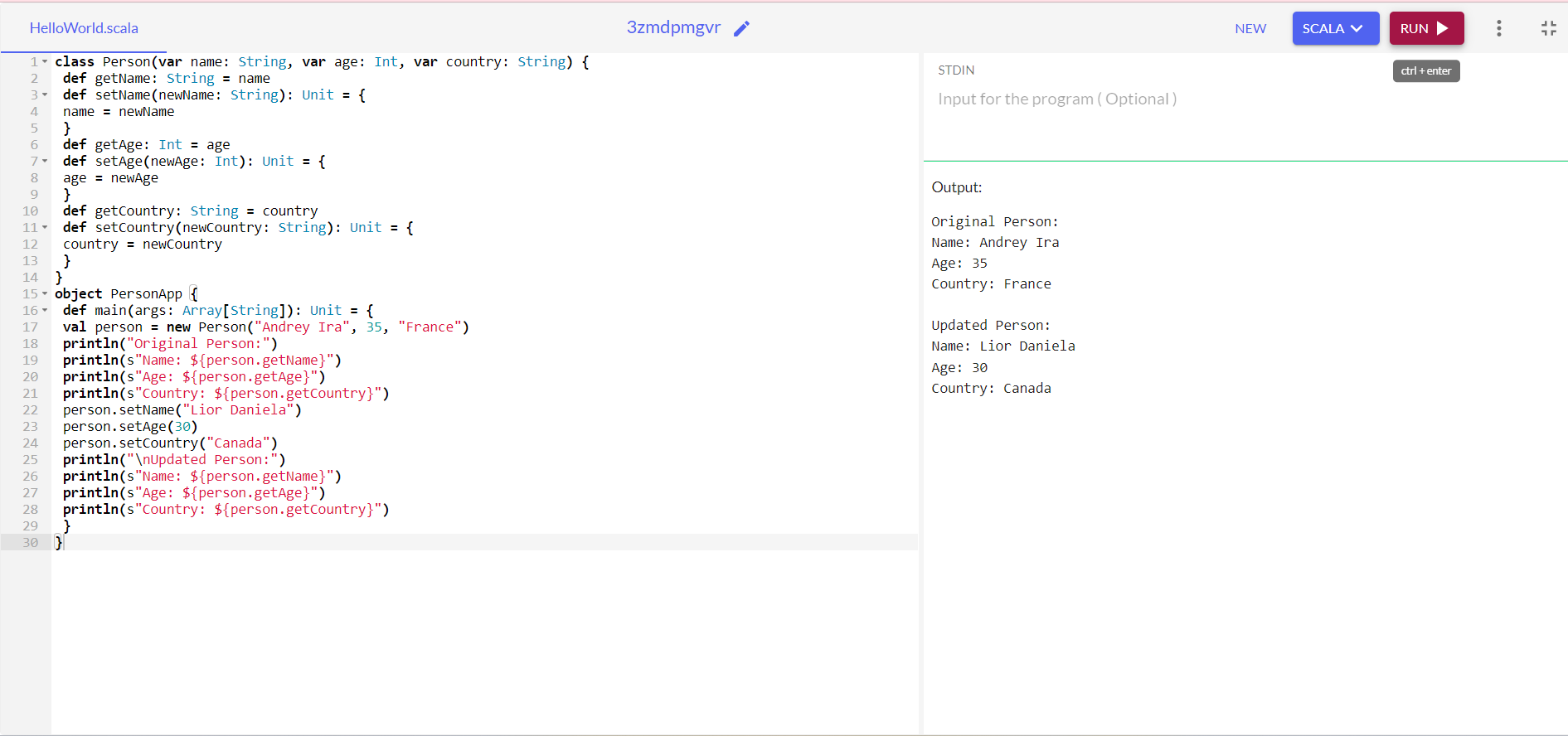
SCALA PROGRAMMING

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Q. 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("sathvika", 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}")

}

}

ADDING A NEW ATTRIBUTE TO THE CLASS PERSON

CODE:

class Person(var name: String, var age: Int, var country: String , var gender: 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 getgender: String = gender

def setgender(newgender: String): Unit = {

gender = newgender

}

}

object PersonApp {

def main(args: Array[String]): Unit = {

val person = new Person("sathvika", 35, "France", "Female")

println("Original Person:")

println(s"Name: ${person.getName}")

println(s"Age: ${person.getAge}")

println(s"Country: ${person.getCountry}")

println(s"Gender: ${person.getgender}")

person.setName("Lior Daniela")

person.setAge(30)

person.setCountry("Canada")

person.setgender("male")

println("\nUpdated Person:")

println(s"Name: ${person.getName}")

println(s"Age: ${person.getAge}")

println(s"Country: ${person.getCountry}")

println(s"Gender: ${person.getgender}")

}

}

OUTPUT:

Original Person:

Name: sathvika

Age: 35

Country: France

Gender: Female

Updated Person:

Name: Lior Daniela

Age: 30

Country: Canada

Gender: male

