

LAB-6

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The image shows a screenshot of a web browser displaying a Scala program on the OneCompiler website. The program is titled "LabStatement-11" and is written in Scala. It defines a `Person` class with attributes `name`, `age`, `country`, and `state`. The program creates a `Person` object, prints its initial state, updates its `name`, `age`, `country`, and `state`, and then prints the updated state.

```
1 class Person(var name: String, var age: Int, var country: String, var state: String) {  
2   /*values are according to the sequence*/  
3   def getName: String = name /*getter:property*/  
4   def setName(newName: String): Unit = { /*setter: function updating a property */  
5     name = newName  
6   }  
7   def getAge: Int = age  
8   def setAge(newAge: Int): Unit = {  
9     age = newAge  
10  }  
11  def getCountry: String = country  
12  def setCountry(newCountry: String): Unit = {  
13    country = newCountry  
14  }  
15  def getState: String = state  
16  def setState(newState: String): Unit = {  
17    state = newState  
18  }  
19 }  
20 object PersonApp {  
21  def main(args: Array[String]): Unit = {  
22    val person = new Person("Ayushi", 18, "India", "Kerala") /*val: immutable, var: mutable*/  
23    println("Original 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    person.setName("Ayushi Tawari")  
29    person.setAge(20)  
30    person.setCountry("Bharat")  
31    person.setState("Rajasthan")  
32    println("\nUpdated Person:")  
33    println(s"Name: ${person.getName}")  
34    println(s"Age: ${person.getAge}")  
35  }  
36 }  
37 }  
38 }  
39 }  
40 }
```

The output of the program is displayed on the right side of the browser window:

```
STDIN  
Input for the program ( Optional )  
  
Output:  
  
Original Person:  
Name: Ayushi  
Age: 18  
Country: India  
State: Kerala  
  
Updated Person:  
Name: Ayushi Tawari  
Age: 20  
Country: Bharat  
State: Rajasthan
```

LabStatement-11 - Scala - OneC

onecompiler.com/scala/3zmdpvd9c

NEWSCALARUN

HelloWorld.scalaLabStatement-11

```
1- class Person(var name: String, var age: Int, var country: String) {
2-   /*values are according to the sequence*/
3-   def getAge: Int = age/*getter:property*/
4-   def setName(newName: String): Unit = { /*setter:function updating a property */
5-     name = newName
6-   }
7-   def getAge: Int = age
8-   def setAge(newAge: Int): Unit = {
9-     age = newAge
10-  }
11-  def getCountry: String = country
12-  def setCountry(newCountry: String): Unit = {
13-    country = newCountry
14-  }
15- }
16- object PersonApp {
17-   def main(args: Array[String]): Unit = {
18-     val person = new Person("Ayushi", 18, "India")/*val:immutable,var:mutable*/
19-     println("Original Person:")
20-     println(s"Name: ${person.getName}")
21-     println(s"Age: ${person.getAge}")
22-     println(s"Country: ${person.getCountry}")
23-     person.setName("Ayushi Tawari")
24-     person.setAge(20)
25-     person.setCountry("Bharat")
26-     println("\nUpdated Person:")
27-     println(s"Name: ${person.getName}")
28-     println(s"Age: ${person.getAge}")
29-     println(s"Country: ${person.getCountry}")
30-   }
31- }
32-
33-
```

STDIN

Input for the program (Optional)

Output:

Original Person:
Name: Ayushi
Age: 18
Country: India

Updated Person:
Name: Ayushi Tawari
Age: 20
Country: Bharat

26°C
Partly sunny

Search

10:38
13-09-2023