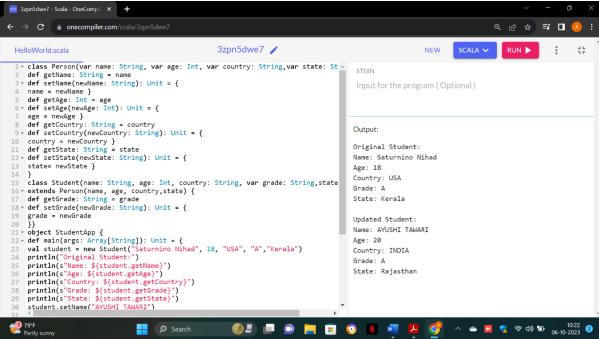
LAB-16

AYUSHI TAWARI-22BTRAD008





Code:

```
class Person(var name: String, var age: Int, var country: String, var state: 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 getState: String = state
def setState(newState: String): Unit = {
state= newState }
}
class Student(name: String, age: Int, country: String, var grade: String, state: String)
extends Person(name, age, country, state) {
def getGrade: String = grade
def setGrade(newGrade: String): Unit = {
grade = newGrade
}}
object StudentApp {
def main(args: Array[String]): Unit = {
val student = new Student("Saturnino Nihad", 18, "USA", "A", "Kerala")
println("Original Student:")
println(s"Name: ${student.getName}")
println(s"Age: ${student.getAge}")
println(s"Country: ${student.getCountry}")
println(s"Grade: ${student.getGrade}")
```

```
println(s"State: ${student.getState}")
student.setName("AYUSHI TAWARI")
student.setAge(20)
student.setCountry("INDIA")
student.setGrade("A")
student.setState("Rajasthan")
println("\nUpdated Student:")
println(s"Name: ${student.getName}")
println(s"Age: ${student.getAge}")
println(s"Country: ${student.getCountry}")
println(s"Grade: ${student.getGrade}")
println(s"State: ${student.getState}")
}
}
                                        OUTPUT
Original Student:
Name: Saturnino Nihad
Age: 18
Country: USA
Grade: A
State: Kerala
Updated Student:
Name: AYUSHI TAWARI
Age: 20
Country: INDIA
Grade: A
State: Rajasthan
```