

Problem Statement

1. Write a simple program to show inheritance in scala.
2. Write a simple program to show multiple inheritance in scala.

1. Write a simple program to show inheritance in scala

Code :

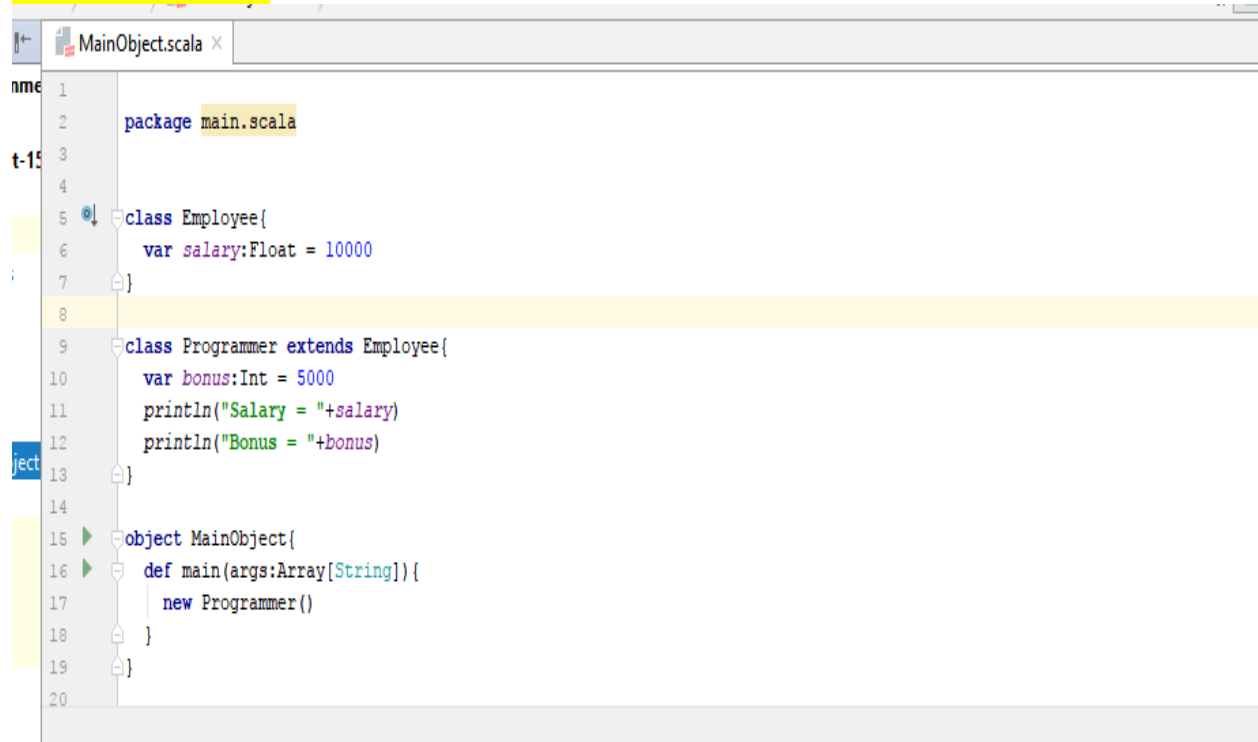
```
package main.scala

class Employee{
    var salary:Float = 10000
}

class Programmer extends Employee{
    var bonus:Int = 5000
    println("Salary = "+salary)
    println("Bonus = "+bonus)
}

object MainObject{
    def main(args:Array[String]){
        new Programmer()
    }
}
```

Code Screen-shot



Output Screen-shot



2. Write a simple program to show multiple inheritance in scala.

Code:

```
package main.scala

class A{
    var salary1 = 10000
}

class B extends A{
    var salary2 = 20000
}

class C extends B{
    def show(){
        println("salary1 = "+salary1)
        println("salary2 = "+salary2)
    }
}

object MainObject1{
    def main(args:Array[String]){
        var c = new C()
        c.show()
    }
}
```

Code Screen-shot



```
1 package main.scala
2
3 class A{
4     var salary1 = 10000
5 }
6
7 class B extends A{
8     var salary2 = 20000
9 }
10
11 class C extends B{
12     def show(){
13         println("salary1 = "+salary1)
14         println("salary2 = "+salary2)
15     }
16 }
17
18 object MainObject1{
19     def main(args:Array[String]){
20         var c = new C()
21         c.show()
22     }
23 }
24
25
26
```

Output Screen-shot



```
Run MainObject1
"C:\Program Files\Java\jdk1.8.0_144\bin\java" ...
salary1 = 10000
salary2 = 20000
Process finished with exit code 0
```

Submitted By: Shishir