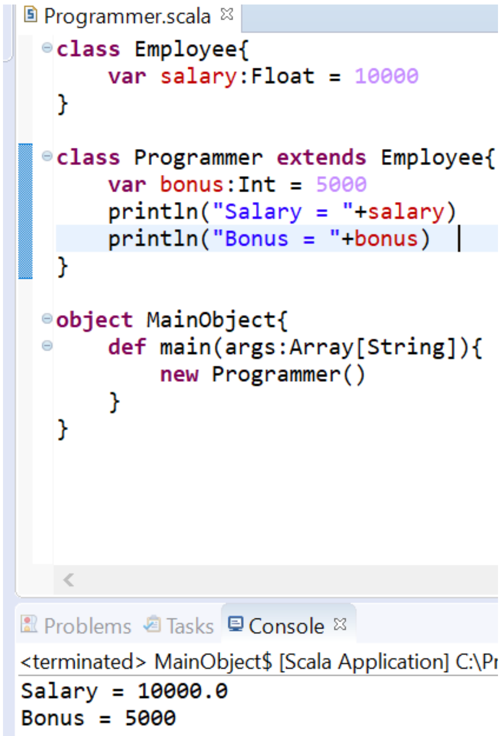
Task 1 : show inheritance in scala

```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()
    }
}
```

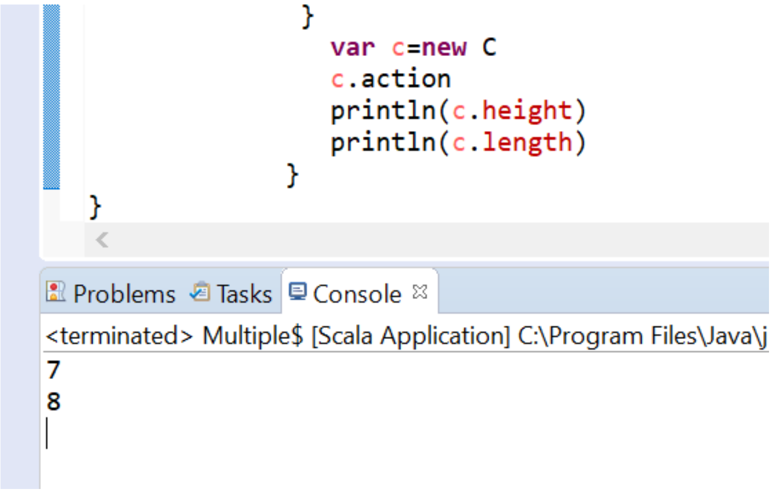


```scala
class Employee{
    var salary:Float = 10000
}

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

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

```
<terminated> MainObject$ [Scala Application] C:\Pr
Salary = 10000.0
Bonus = 5000
```

Task 2 : Show multiple inheritance

```
object Multiple{
        def main(args: Array[String]):Unit={
           trait A{
                   var length:Int= _
                   def action={
                     length=length+5
                  }
             }
           trait B{
                   var height:Int = _
                   def action={
                     height = height + 1
                  }
             }
           class C extends A with B{
                   length=3;
                   height+=6;
                   override def action={
                            super[A].action
                            super[B].action
                   }
              }
                var c=new C
                c.action
                println(c.height)
                println(c.length)
             }
}
```

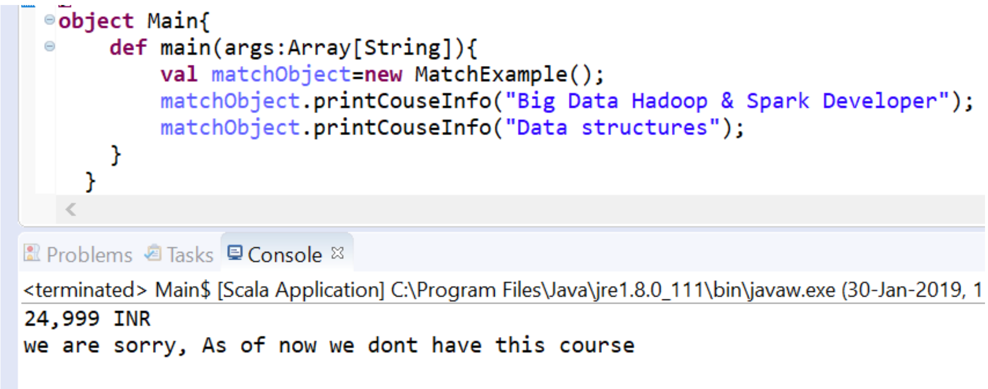


```
                  }
                    var c=new C
                    c.action
                    println(c.height)
                    println(c.length)
                 }
}
```

```
<terminated> Multiple$ [Scala Application] C:\Program Files\Java\j
7
8
```

Task 4 : Print prices of courses

```scala
class MatchExample {
  def printCouseInfo(course: String) =
    {
      course match {
    case "Android App Development"  => println("14,999 INR");
    case "Data Science"  => println("49,999 INR");
    case "Big Data Hadoop & Spark Developer"  => println("24,999 INR");
    case "Blockchain Certification"  => println("49,999 INR");
    case _ => println("we are sorry, As of now we dont have this course");
      }
    }
}
object Main{
    def main(args:Array[String]){
        val matchObject=new MatchExample();
        matchObject.printCouseInfo("Big Data Hadoop & Spark Developer");
        matchObject.printCouseInfo("Data structures");
    }
  }
```



```scala
object Main{
    def main(args:Array[String]){
        val matchObject=new MatchExample();
        matchObject.printCouseInfo("Big Data Hadoop & Spark Developer");
        matchObject.printCouseInfo("Data structures");
    }
  }
```

```
<terminated> Main$ [Scala Application] C:\Program Files\Java\jre1.8.0_111\bin\javaw.exe (30-Jan-2019, 1
24,999 INR
we are sorry, As of now we dont have this course
```