**Assignment 15.1**

1. Simple Inheritance

class Employee {

var salary:Float = 10000

}

class Programmer extends Employee{

var bonus:Int = 5000

println("Salary = "+salary)

println("Bonus = "+bonus)

}

object HelloWorld{

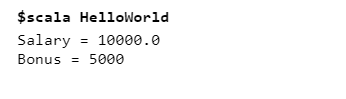
def main(args:Array[String]){

new Programmer()

}

}

OUTPUT



1. Multiple Inheritance

**abstract class** Bird{  
  
 **def** sound:String  
  
}  
  
**trait** FlyingBird **extends** Bird{  
  
 **override def** sound = **"Flying Sound"  
  
 def** work () = { **"Flying Flying"**}  
  
}  
**trait** RunningBird **extends** Bird{  
  
 **override def** sound = **"Running Sound"  
  
 def** run() = **"Running Running"**}  
  
**class** FlyingRunningBird **extends** FlyingBird **with** RunningBird  
  
**var** flyRunBird = **new** FlyingRunningBird  
flyRunBird.work  
flyRunBird.run  
flyRunBird.sound  
  
  
**class** RunningflyingBird **extends** RunningBird **with** FlyingBird  
  
**var** runflyBird = **new** RunningflyingBird  
runflyBird.work  
runflyBird.run  
runflyBird.sound

Output

