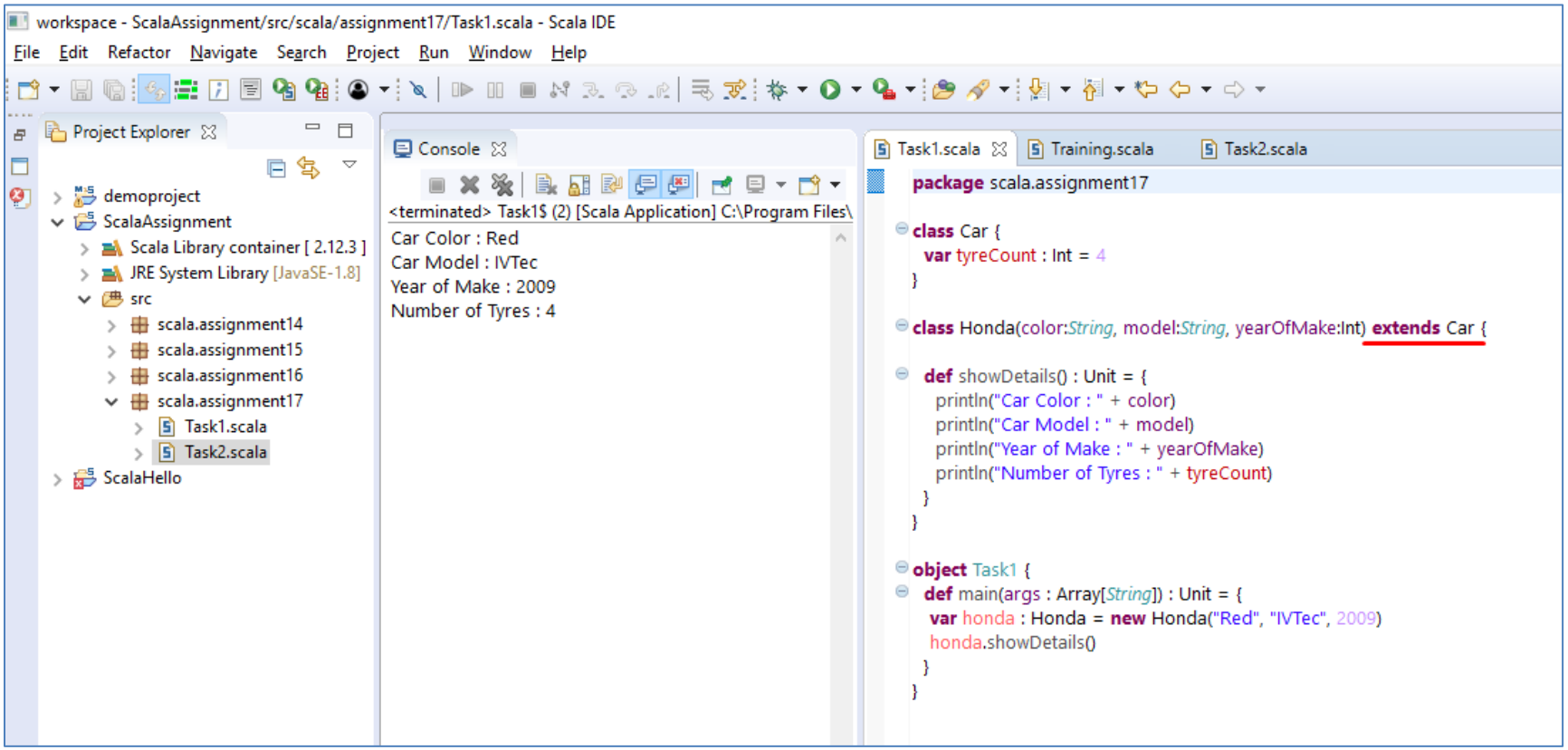
Session 17:
SCALA BASICS 4
Assignment 1

TASK 1:

Write a simple program to show inheritance in scala.

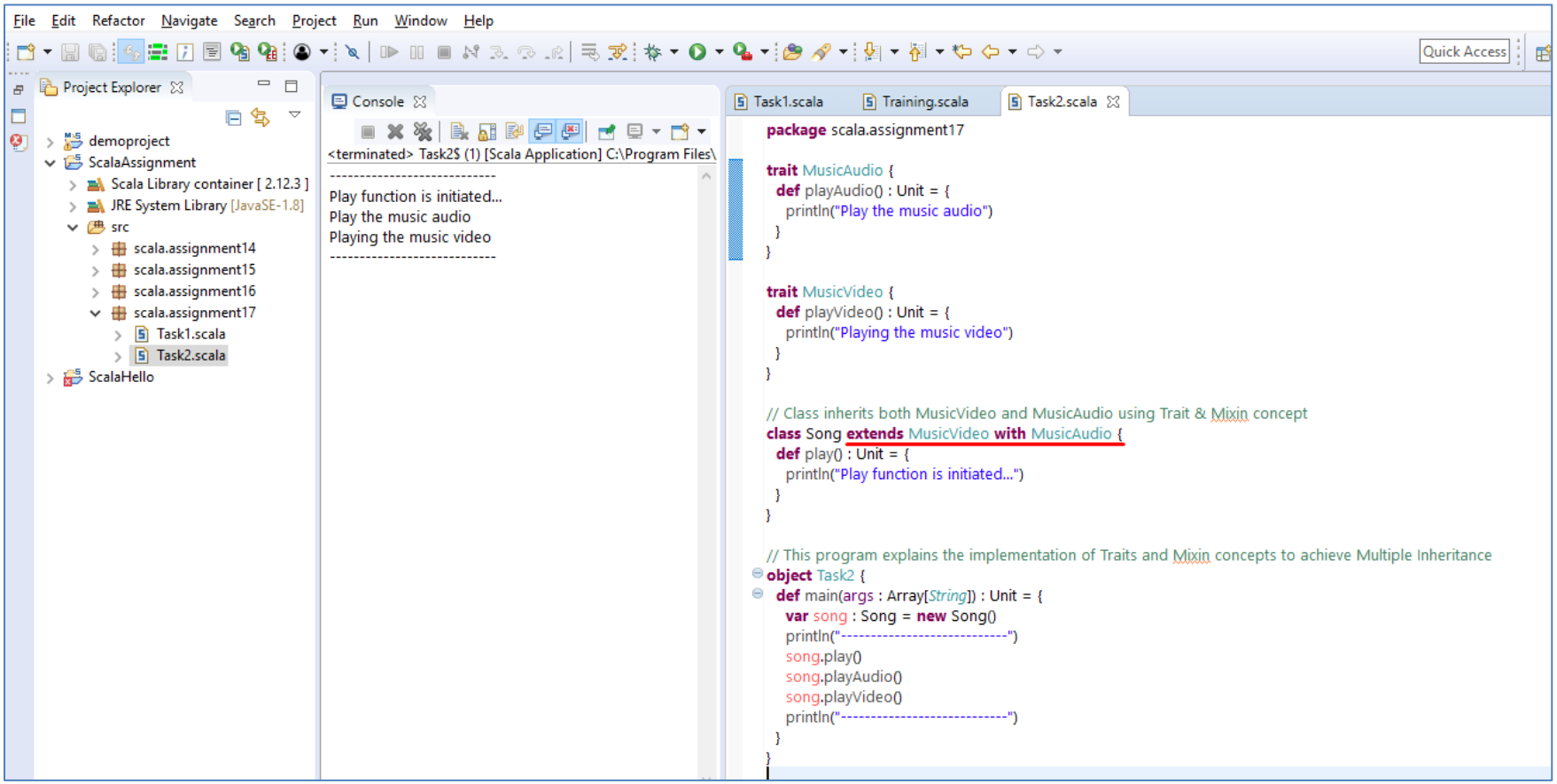
EXECUTION:



TASK 2:

Write a simple program to show multiple inheritance in scala

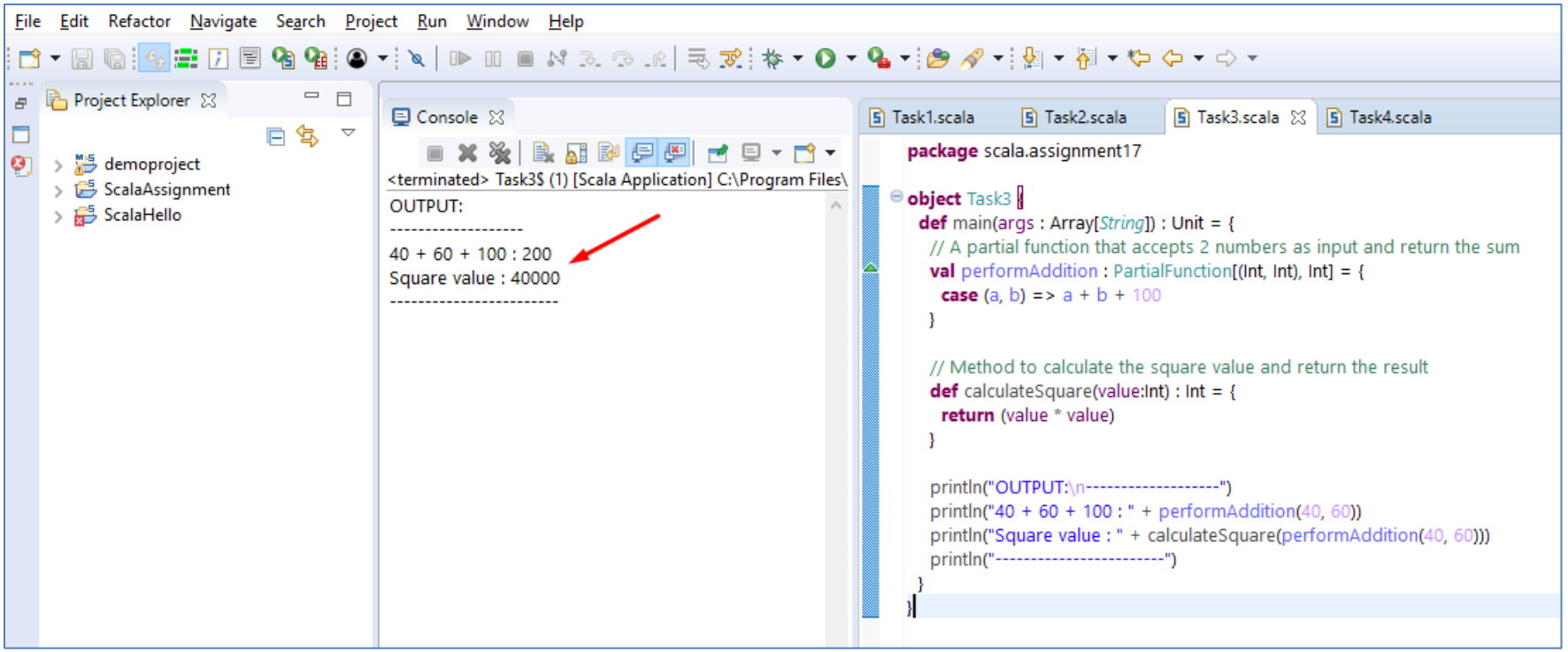
EXECUTION:



TASK 3:

Write a partial function to add three numbers in which one number is constant and two numbers can be passed as inputs and define another method which can take the partial function as input and squares the result.

EXECUTION:



TASK 4:

Write a program to print the prices of 4 courses of Acadgild:

Android App Development -14,999 INR

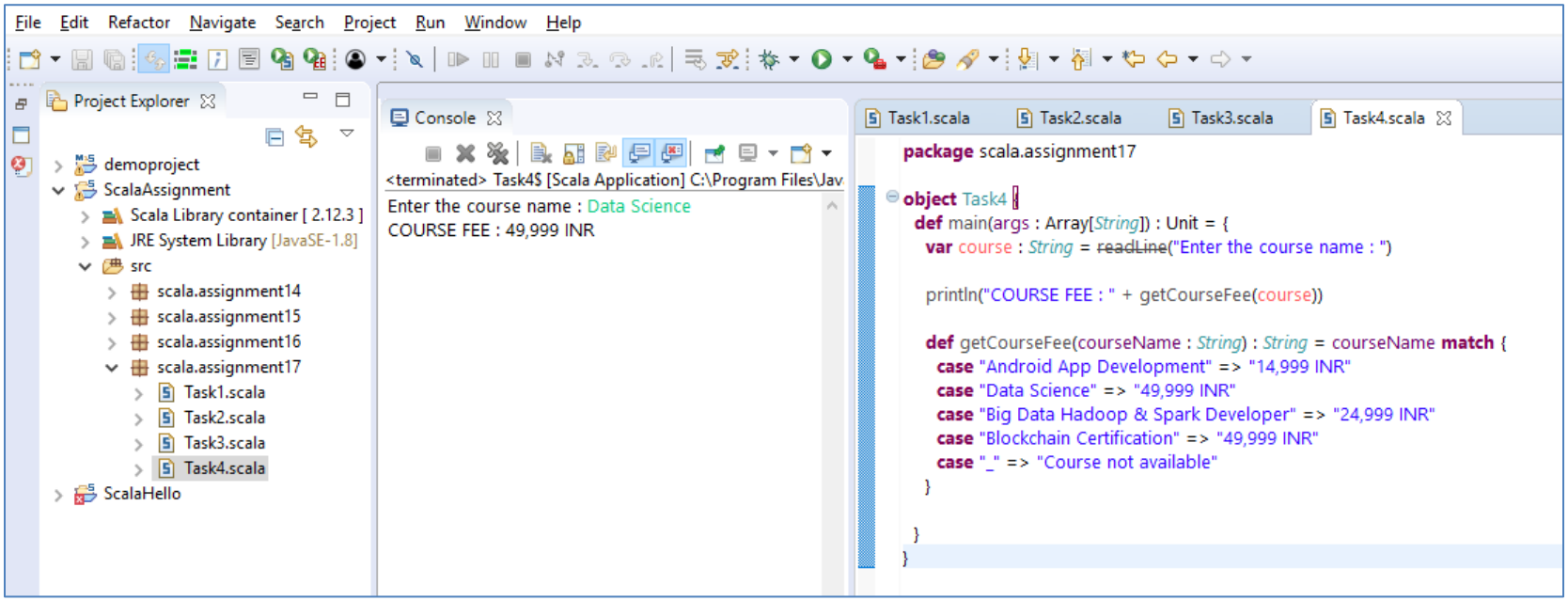
Data Science - 49,999 INR

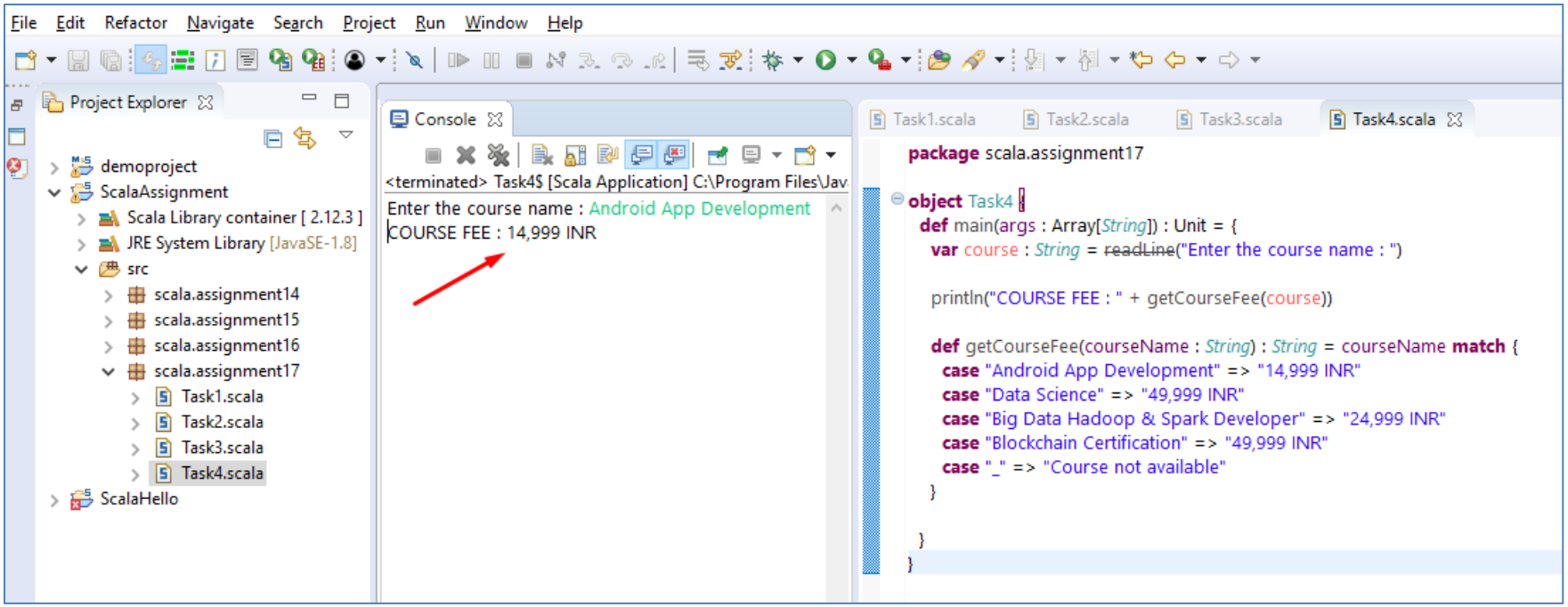
Big Data Hadoop & Spark Developer – 24,999 INR

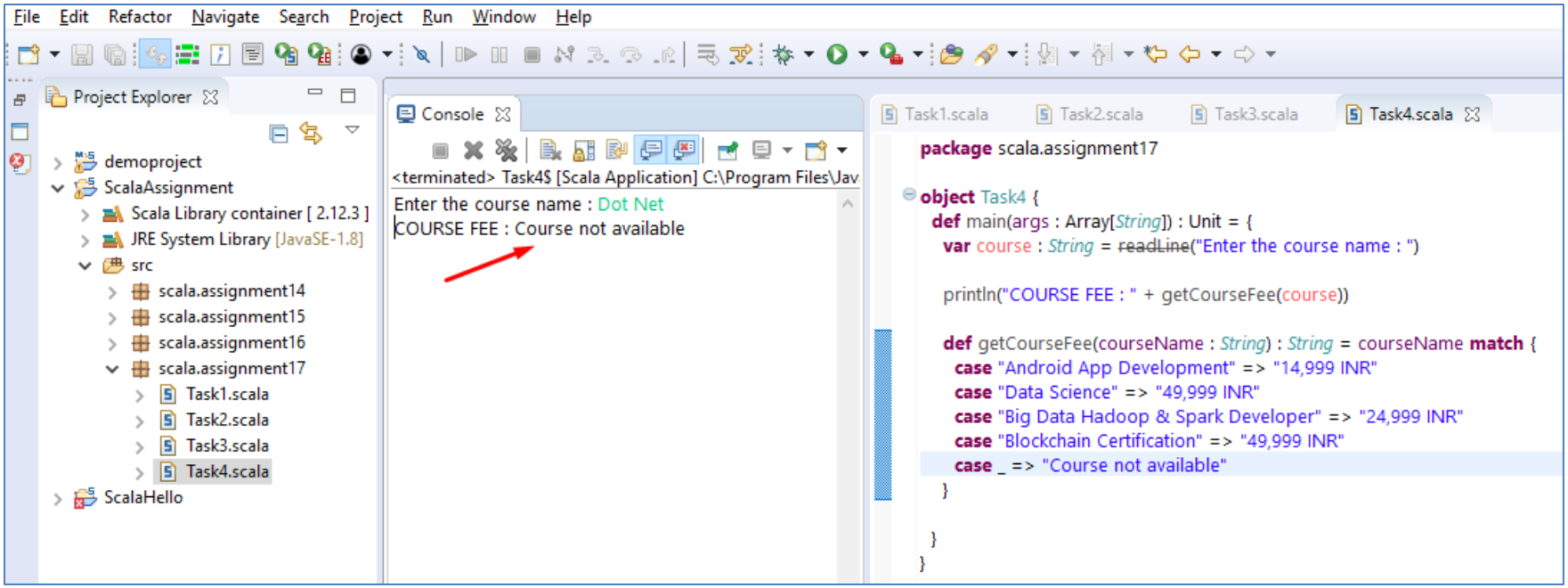
Blockchain Certification – 49,999 INR

using match and add a default condition if the user enters any other course.

EXECUTION:




File Edit Refactor Navigate Search Project Run Window Help
Project Explorer
demoproject
ScalaAssignment
Scala Library container [2.12.3]
JRE System Library [JavaSE-1.8]
src
scala.assignment14
scala.assignment15
scala.assignment16
scala.assignment17
Task1.scala
Task2.scala
Task3.scala
Task4.scala
ScalaHello
Console
<terminated> Task4$ [Scala Application] C:\Program Files\Jav
Enter the course name : Android App Development
COURSE FEE : 14,999 INR
Task1.scala
Task2.scala
Task3.scala
Task4.scala
package scala.assignment17
object Task4 {
def main(args : Array[String]) : Unit = {
var course : String = readLine("Enter the course name : ")
println("COURSE FEE : " + getCourseFee(course))
def getCourseFee(courseName : String) : String = courseName match {
case "Android App Development" => "14,999 INR"
case "Data Science" => "49,999 INR"
case "Big Data Hadoop & Spark Developer" => "24,999 INR"
case "Blockchain Certification" => "49,999 INR"
case "_" => "Course not available"
}
}
}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Task3.scala
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ScalaHello
Console
<terminated> Task4$ [Scala Application] C:\Program Files\Jav
Enter the course name : Dot Net
COURSE FEE : Course not available
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Task3.scala
Task4.scala
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object Task4 {
def main(args : Array[String]) : Unit = {
var course : String = readLine("Enter the course name : ")
println("COURSE FEE : " + getCourseFee(course))
def getCourseFee(courseName : String) : String = courseName match {
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case "Big Data Hadoop & Spark Developer" => "24,999 INR"
case "Blockchain Certification" => "49,999 INR"
case _ => "Course not available"
}
}
}