# **Assignment Day 17**

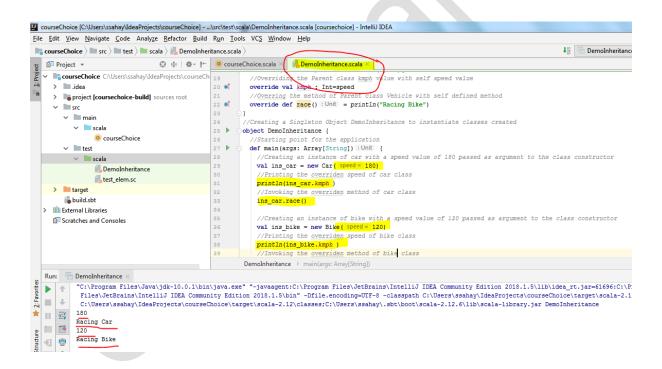
## Task 1:

Write a simple program to show inheritance in Scala.

### Ans:

Note: Program files (attached separately) are properly documented with a detailed description of each instruction used within the program.

#### **ScreenShot**:



# Task 2:

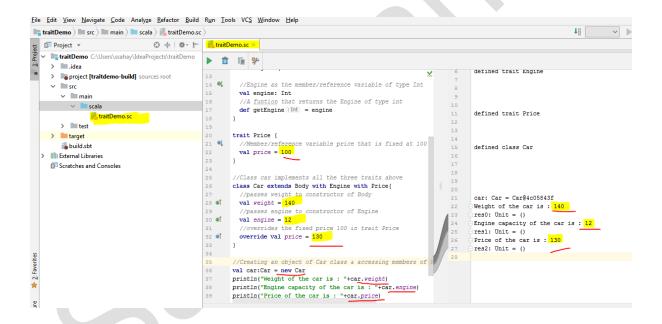
Write a simple program to show multiple inheritance in SCALA.

### Ans:

Note: Program files (attached separately) are properly documented with a detailed description of each instruction used within the program.

Multiple Inheritance in Scala is achieved by Traits as shown below using **extends** & **with** keyword.

### **ScreenShot:**



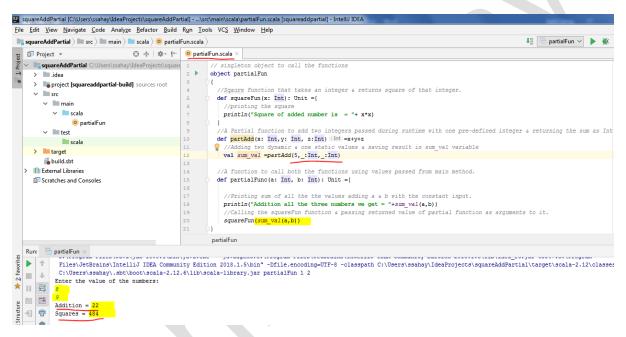
## Task 3:

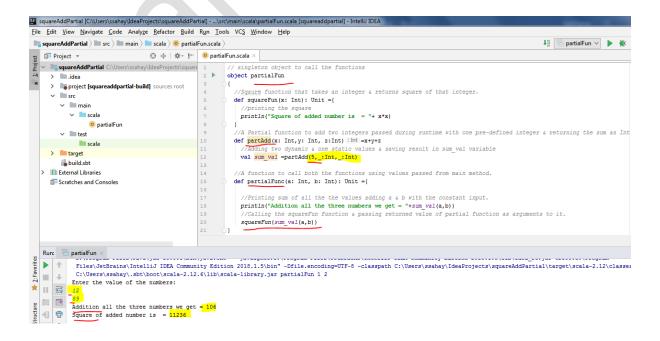
Write a partial function to add three numbers in which one number is constant and two numbers can be passed as inputs and define another method which can take the partial function as input and squares the result.

#### Ans:

Note: Program files (attached separately) are properly documented with a detailed description of each instruction used within the program.

#### **ScreenShot:**





### **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.

#### Ans:

Note: Program files (attached separately) are properly documented with a detailed description of each instruction used within the program.

### **ScreenShot:**

```
ucourseChoice [C:\Users\ssahay\IdeaProjects\courseChoice] - ...\src\main\scala\courseChoice.scala [coursechoice] - IntelliJ IDEA
 <u>File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help</u>
  courseChoice > src > main > scala > o courseChoice.scala
                                                                                                                                                                                                        ↓ courseChoice
                                              courseChoice C:\Users\ssahay\IdeaProjects\courseCh 2
       > project [coursechoice-build] sources root
                                                                                def courseMatch(courseName:String):Unit = courseName match
        ∨ 🗎 src
                                                                                      case "Android App Development" => println("Price for AAD course is : 14.999 INR")
                                                                                     case "Blockchain Certification" => println("Price for BC course is : 49,999 INR")

case "Blockchain Certification" => println("Price for BC course is : 49,999 INR")
            ∨ scala
                        o courseChoice
       > larget
                                                                                      case _ => println("This course is yet to come")
             build.sbt
        ||||| External Libraries
                                                                                // Entry point of the application
def main(args:Array[String]): Unit ={
                                                                                   //Calling the course match function for different set of inputs.
courseMatch( courseName = "Android App Development")
courseMatch( courseName = "Data Science")
courseMatch( courseName = "Big Data Hadoop & Spark Developer")
                                                                                   courseMatch( courseName = "Blockchain Certification")
courseMatch( courseName = "Teleporting Basics")
Files\JetBrains\IntelliJ IDEA Community Edition 2018.1.5\bin" -Dfile.encoding=UIF-8 -classpath C:\Users\ssahay\IdeaProjects\courseChoice\target\scala-2.12\
C:\Users\ssahay\.sbt\boot\scala-2.12.6\lib\scala-library.jar courseChoice
Price for AAD course is : 14,999 INR
```