Session 17: SCALA BASICS 4

Assignment 1

Task 1

Write a simple program to show inheritance in scala.

Task 2

Write a simple program to show multiple inheritance in scala.

Note: Scala doesn't allow multiple heritance, but allows us to extend multiple traits.

```
object Simulation
▼ 📭 sparktest1 C:\Users\divyn
                                           def main(args: Array[String]): Unit= {
  ▶ 🖿 .idea
  ► 📭 project [sparktest1-bui
                                                var distance: Int = _
def action : Unit = {
     ▼ Imain
        ▼ 🖿 scala
              calaclutor
              MultipleInher
              o test
                                              trait B {
              o test1
                                                var driverVar: Int = _
def action : Unit = {
           륇 a.java
     ▶ test
        Wordcount
      build.sbt
► III External Libraries
  Scratches and Consoles
                                                 override def action : Unit = {
                                      Simulation > main(args: Array[String])
Run: Simulation (1)
```

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 results.

```
📭 <u>1</u>: Proje
                                        object Task3 extends App {
   ▼ sparktest1 C:\Users\divym
    ▶ 🖿 .idea
     ▶ 🌇 project [sparktest1-buil
      ▼ I src
        ▼ I main
           ▼ Iscala
                o calaclutor
                MatchExampl
                🚣 MultipleInheri
                O Task3
                o test
                o test1
              💰 a.java
        ▶ test
           Wordcount
        👗 build.sbt
             (Final Sum is.15)
             (SquareRoot of final is ,3.872983346207417)
             Process finished with exit code 0
```

Task 4

Write a program to print the prices of 4 courses in 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.

Code

```
sparktest1 C:\Users\divyn
                               object MatchExample {
  ▶ 🌇 project [sparktest1-bui
  ▼ III src
    ▼ 🖿 main
      def matchTest(x: Int): String = x match {
           O Calaciutor
O MatchExamp
           o test 12
           o test1
        륇 a.java
                             \varphi_{1}
    ▶ test
      Wordcount
    👗 build.sbt
► III External Libraries
  Scratches and Consoles
Android App Development -14,999 INR
        Process finished with exit code 0
```