**Session 15: SCALA - SESSION IV**

Assignment 15.2

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Course: Big Data Hadoop & Spark Training

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**Assignment 15.2**–

Write a simple program in Scala to show partial function and match and add.

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# Introduction

In this assignment, we are going to write a simple SCALA code to show partial function and match and add

# Problem Statement

1. 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.
2. Write a program to print the prices of 4 courses of Acadgild: Android-12999, Big Data Development-17999, Big Data Development-17999, Spark-19999 using **match and add** a default condition if the user enters any other course.

# Task 1

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.

Scala Code

class ProgramPartialFunc {

def squareFunc(n: Int) {

println("Square: " + n \* n)

}

def adder(m: Int, n: Int, p: Int) = m + n + p

def partialFunc(x:Int,y:Int) {

val add = adder( \_: Int,20, \_: Int)

println("------------------------")

println("Addition: "+add(x, y))

squareFunc(add(x, y))

println("------------------------")

}

}

object PartialFunc\_Task3 {

def main(args: Array[String]) {

println("Enter numbers")

var x: Int = scala.io.StdIn.readLine().toInt;

var y: Int = scala.io.StdIn.readLine().toInt;

new ProgramPartialFunc().partialFunc(x, y)

}

}

# Task2

Write a program to print the prices of 4 courses of Acadgild: Android-12999, Big Data Development-17999, Big Data Development-17999, Spark-19999 using **match and add** a default condition if the user enters any other course.

