Session 15

Assignment 2

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| **Prepared For:** | AcadGild |
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| **Document Approval:** | **AcadGild** |
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| **Project Title:** | Session 15 – Assignment 2 |
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| **Document Reference:** | **Session 15 – Assignment 2** |
|  |  |
| **Start Date:** | 10/10/2017 |
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# Change History

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| --- | --- | --- | --- | --- | --- |
| **Document Revision** | **Date** | **Authored By** | **Authorised By** | **Sections Affected** | **Reason for Change** |
| Rev 01 | 13/10/2017 | Duncan Burgess |  | All | Initial release. |
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# Problem Statement

* 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.
* 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.Solution

# Solution

## 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.

**Code written**

***package*** *com.duncb.spark*

*//object partial extends App {*

***object*** *PF1 {*

***private******def*** *func1 (a:Double, b:Double, c:Int) = a + b + c*

***private******def*** *addfunc1 =func1 (\_:Double,12.4,\_:Int)*

***private******def*** *partialfunc (addfunc2:(Int) => Double):Unit = {*

***val*** *s = addfunc2(22)*

***val*** *sqrd:Double = s \* s*

*println ( "The sum of Numbers is " + s)*

*println ("The square of the numbers is "+ sqrd)*

*}*

***def*** *main(args:Array[String]):Unit ={*

*partialfunc(addfunc1(22.4,\_))*

*}*

*}*

**Results**

*The sum of Numbers is 56.8*

*The square of the numbers is 3226.24*

## 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.Solution

**Code written**

***package*** *com.duncb.spark*

***object*** *Courses{*

***def*** *crsDetails(course: String): String = course* ***match*** *{*

***case*** *"android" => "Android course price: 12999"*

***case*** *"big data development"=> "Big Data development 1 Price:17999"*

***case*** *"big data development"=> "Big Data development 2 Price:17999"*

***case*** *" dpark" => "Spark course price: 19999"*

***case*** *\_ => "Visit www.acadgild.com"*

*}*

***def*** *main(args:Array[String]): Unit ={*

*println(" Choose on of the following AcadGild courses")*

*println(" 1. Android")*

*println(" 2. Big Data Development")*

*println(" 3. Big Data Development")*

*println(" 4. Spark")*

*println("Select Andrind, Big Data Development or Spark")*

***var*** *chosen = scala.io.StdIn.readLine() .toString.toLowerCase*

*println (crsDetails (chosen))*

*}*

*}*

**Results**

*Choose on of the following AcadGild courses*

*1. Android*

*2. Big Data Development*

*3. Big Data Development*

*4. Spark*

*Select Andrind, Big Data Development or Spark*

*big data development*

*Big Data development 1 Price:17999*

*Choose on of the following AcadGild courses*

*1. Android*

*2. Big Data Development*

*3. Big Data Development*

*4. Spark*

*Select Andrind, Big Data Development or Spark*

*Android*

*Android course price: 12999*

*Choose on of the following AcadGild courses*

*1. Android*

*2. Big Data Development*

*3. Big Data Development*

*4. Spark*

*Select Andrind, Big Data Development or Spark*

*Scala*

*Visit www.acadgild.com*