

## SCALA TUTORIAL 4

**Visit my GitHub Repository:**

<https://github.com/virajSandakelum/SCS2204-FUNCTIONAL-PROGRAMMING>

### Question 01

```
object Qusetion_1 extends App {  
  
    def interest(depositAmount:Int):Double = depositAmount match  
    {  
        case x if(x > 0 && x <= 20000 ) => x * 0.02  
        case x if(x <= 200000) => x * 0.04  
        case x if(x <= 2000000) => x * 0.035  
        case x if(x > 2000000) => x * 0.065  
    }  
  
    print("\nEnter the Deposit Amount :")  
    var depositAmount = scala.io.StdIn.readInt()  
    println("if amount is Rs."+ depositAmount+" then interest  
is: Rs:"+interest(depositAmount))  
}
```

## Question 02

```
object Qusetion_4 extends App {  
  
    def checkEvenOdd(inputValue:Int):Any = inputValue match {  
        case x if(x == 0) => println("Zero")  
        case x if(x <= 0) => println("Negative Number")  
        case x if(x % 2 == 0) => println("Even Number")  
        case x if(x % 2 == 1) => println("Odd Number")  
    }  
  
    print("Enter the integer value: ")  
    var inputInteger = scala.io.StdIn.readInt()  
    print("Input integer value is "+inputInteger+" and it is ")  
    checkEvenOdd(inputInteger)  
}
```

## Question 03

```
object Qusetion_5 extends App {  
  
    def toUpper(string: String): String = string.toUpperCase()  
  
    def toLower(string: String):String = string.toLowerCase()  
  
    def formatNames(name: String) (fMethod:(String) => String):  
String =  
    {  
        fMethod(name)  
    }  
  
    print(formatNames("Benny") (toUpper(_)))  
}
```

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