SCS 2204 - Functional Programming

Scala Tutorial – 4

Question 01

```
■ Project ▼
                     ⊕ ₹ ₹ −
                                          \rm build.sbt ×
                                                      🧑 q1.scala 🗵
                                                                    o q2.scala ×
                                                                                 @ q3.scala
Tutorial04 C:\Users\DELL\IdeaProjects\Tutorial04
                                                 package Package
> 🖿 .bsp
                                                  import scala.io.StdIn.readDouble
> 🖿 .idea
> project [Tutorial04-build] sources root

✓ ■ src

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

✓ D Package

                                                      print("Enter the Deposit amount : ")
             0 q1
                                                      var depositAmount = readDouble()
             0 q2
  > test
   build.sbt
                                                    def findInterest(depamount: Double): Unit = {
IIII External Libraries
                                                      var interest = 0.00
Scratches and Consoles
                                                        interest = 2.0/100.0
                                                        finalAmounts(depamount, interest)
     src.
     🗸 🖿 main
              1 @ q1
              0 q2
              o q3
     > test
     build.sbt
                                                  interest = 6.5/100.0
   Scratches and Consoles
```

Question 02

```
■ Project ▼
                       ⊕ 至 ÷ □
                                           build.sbt ×
                                                        o q1.scala × o q2.scala >
                                                                                  o q3.scala
 Tutorial04 C:\Users\DELL\IdeaProjects\Tutorial04
                                                  package Package
 > 🖿 .bsp
 > 🖿 .idea
 > project [Tutorial04-build] sources root
 ✓ I src
                                                    def main(args: Array[String]): Unit = {

✓ ■ main

                                                       print("Enter the Integer : ")

✓ ■ Package

                                                      PatternMatching(number)
              q2
              o q3
    > test
                                                    def PatternMatching(num: Int): Unit = {
    樶 build.sbt
 IIII External Libraries
 Scratches and Consoles
                                          q2 > main(args: Array[String])
       Enter the Integer: 57
       Odd number
```

Question 03

