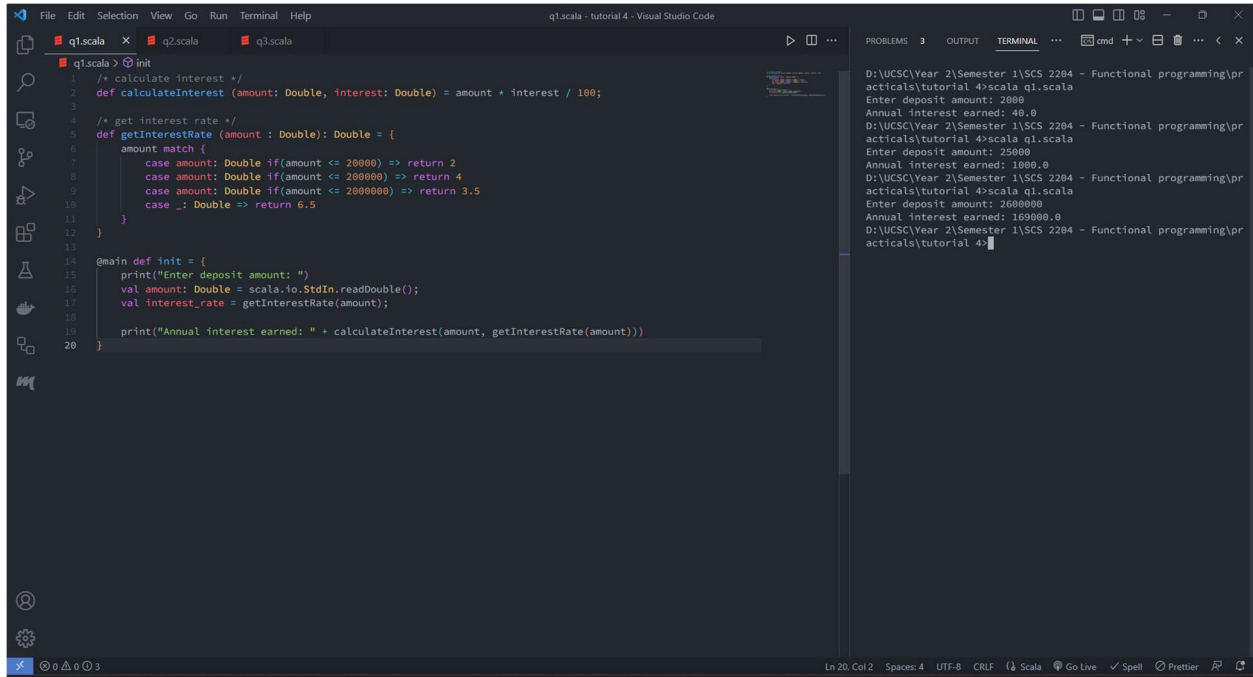
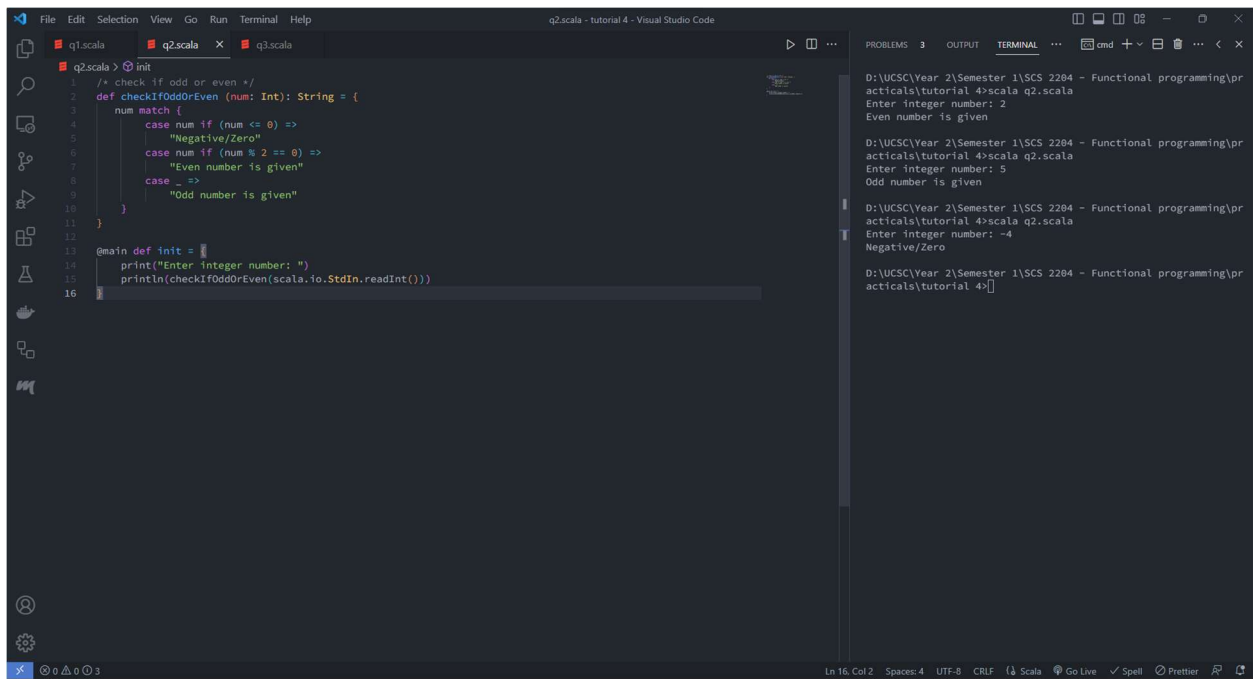


1.



2.



3.

The screenshot shows a Visual Studio Code editor with a Scala file named `q3.scala`. The code defines functions to convert strings to upper and lower case, and a function to format names. The main function calls these functions on a list of names. The output window shows the results of the program execution.

```

1  /* string to upper case */
2  def toUpper(str: String): String = str.toUpperCase();
3
4  /* string to lower case */
5  def toLower(str: String): String = str.toLowerCase();
6
7  /* format function */
8  def formatNames(name: String)(func: String => String): String = func(name)
9
10
11 @main def init = {
12   val names = List("Benny", "Niroshan", "Saman", "Kumara")
13
14   names.foreach(name => {
15     println (
16       formatNames(name) { str =>
17         if (str.length % 2 == 0) {
18           toLower(str)
19         } else {
20           toUpper(str)
21         }
22       }
23     )
24   })
25 }

```

The output window shows the results of the program execution:

```

D:\UCSC\Year 2\Semester 1\SCS 2284 - Functional programming\pr
actuals\tutorial 4>scala q3.scala
BENNY
niroshan
SAMAN
kumara

```

The status bar at the bottom indicates the current line and column (Ln 25, Col 2), the number of spaces (4), and the current encoding (UTF-8).