

String Problems

Problem 1

Study this pseudo-code and answer the questions below.

```
turtleOne ← "donatello"  
turtleTwo ← "leonardo"  
myTurtles = turtleOne + turtleTwo
```

What is the value of:

- a) LENGTH(turtleOne)
- b) OUTPUT turtleOne
- c) POSITION(turtleOne , "n")
- d) POSITION(turtleTwo, "o")
- e) LENGTH(myTurtles)
- f) turtleOne[4]
- g) SUBSTRING(0, 4, turtleTwo)
- h) SUBSTRING(4, 12, myTurtles)

Problem 2

```
postCode ← USERINPUT  
mainCity ← SUBSTRING(0, 2, postcode)
```

What will be the values of the variables if the user enters:

- a) "NR31 6TA"
- b) "Unknown"
- c) An empty string

Programming problem.

A user needs to enter their forename and surname and year of birth

This should generate a username based on:

- first letter of forename
- first 3 letters of surname
- last two digits of year of birth

The user name should be lowercase – e.g. ifor82