**Homework 1: Strings and variables**

**True or False?**

State for each question, whether the statements are True or False, and the reason why.

|  |  |
| --- | --- |
| 1. This line of code is a program comment:    [2] |  |
| 2. These are all valid names for variables   * My\_Name * myName * 1Name * My Name * @MyName   [2] |  |
| 3. Running this code will generate an error:    [2] |  |
| 4. This code would print the letter “h”    [2] |  |
| 5. This code will print out “15”      [2] |  |

6. Write a program which will allow a user to enter their first name, and their favourite food. The program will then print out the sentence which includes the data they input, all in uppercase. For example:

“HENRY LIKES STRAWBERRIES”

Then print out the number of characters in the sentence (including spaces), e.g.:

“The sentence contains 24 characters” [5]

In your program code, you may need to make use of one or more of the following functions: len(), upper(), str()

For example:

notice = "No Entry"

numletters = len(notice) #puts 5 in numletters

newNotice = notice.upper() #puts "NO ENTRY" in newNotice

number = 12345

numberAsString = str(number) #puts "12345" in number as string

[Total 15 marks]