**Assignments 1**

1. Which of the following are operators, and which are values?

1. \* = operator
2. 'hello'=string
3. -88.8 = value
4. - = operator
5. / =operator
6. + = operator
7. 5 =value

2. Which of the following is a variable, and which is a string?

1. spam = variable
2. 'spam' = string

3. Name three data types.

Ans- Numeric, sequence, Dictionary

4. What is an expression made up of? What do all expressions do?

Ans- An expression is made up of numbers, variables, operators and return a single value.

5. This chapter introduced assignment statements, like spam = 10. What is the difference between an expression and a statement?

Ans- An expression is a combination of constants,operators,variables etc and return a single value while a statement is a collection of one or more than one line and it also contain an expression but didn’t return any value it only displays a value and what a statement says.

6. What does the variable bacon contain after the following code runs?

1. bacon = 20
2. bacon + 1

Ans- bacon = 21

7. What should the following two expressions evaluate to?

1. 'spam' + 'spamspam' = spamspamspam
2. 'spam' \* 3 = spamspamspam

8. Why is eggs a valid variable name while 100 is invalid?

 Ans- egg is valid variable because every variable starts with a-z, A-Z, underscore but variable name doesn’t start with numbers.

9. What three functions can be used to get the integer, floating-point number, or string version of a value?

Ans- int() for integer, float() for floating point number and str() for string version of a value.

10. Why does this expression cause an error? How can you fix it?

'I have eaten ' + 99 + ' burritos.'