1. What are the differences between operators and values in the following?

\* - Multiplication Operator

'hello' – Value in a string data type

-87.8 – Integer datatype (negative value)

- - minus operator (to subtract)

/ - Division operator

+ - Addition Operator(To add)

6 – Integer value

2. What is the difference between string and variable?

spam – Entity which stores the data information

'spam' – One of the data type to store in the variable

3. Describe three different data forms.

* Integer
* Float
* String

4. What makes up an expression? What are the functions of all expressions?

An expression is a combination of values and operators. All expressions reduce to a single value.

5. In this chapter, assignment statements such as spam = 10 were added. What's the difference between a declaration and an expression?

An expression evaluates to a single value. A statement does not.

6. After running the following code, what does the variable bacon contain?

bacon = 22

bacon + 1

bacon = 22

7. What should the values of the following two terms be?

'spam' + 'spamspam' - 'spamspamspam'

'spam' \* 3 -'spamspamspam'

8. Why is it that eggs is a true variable name but 100 is not?

Variable names cannot start with a number.

9. Which of the following three functions may be used to convert a value to an integer, a floating-point number, or a string?

int()

float()

str()

10. What is the error caused by this expression? What would you do about it?

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

‘I have eaten ' + str(99) + ' burritos.'