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

\*

'hello'

-87.8

-

/

+

6

\*,-,/,+,\* are operators and remaining are values.

2. What is the difference between string and variable?

spam

'spam'

spam is variable and ‘spam’ is string,

3. Describe three different data forms.

int, string, Boolean.

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

operators and variables together make an expression. all expressions will return a value

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

Declaration is assigning a value to a variable. The outcome of expression is assigned to the variable.

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

bacon = 22

bacon + 1

23

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

'spam' + 'spamspam'

'spam' \* 3

both are equal ‘spamspamspam’

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

100 is a value. a value cannot be variable.

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.'

cannot concatenate string and integer.

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