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

\* Multiply operator

'hello' String value

-87.8 float value

- minus operator

/ divide operator

+ sum operator

6 int value

2. What is the difference between string and variable?

Spam - Variable

'spam' - String

3. Describe three different data forms.

String, int,float

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

Values,variables and operators make expression.

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

In declaration value is assigned to a variable. A memory is allocated for the variable.

Expression Is something that needs to be evaluated.It consist of values,variables and operators.

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

Output will be spamspamspam

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

Naming convention. Variables can start with character only.

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.'

can only concatenate str (not "int") to str. Will convert 99 to str

'I have eaten ' + ‘99’ + ' burritos.'