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

\*

'hello'

-87.8

-

/

+

6

Operators need values to operate, and values are used with operators resulting in another value.

In the above example \*, -, / , + are operators and ‘hello’, 6, -87.8 are values

2. What is the difference between string and variable?

spam

'spam'

String is any value that is enclosed in quotes. Variable is a name used to store any value.

3. Describe three different data forms.

Int, float, complex, string, boolean are different data forms.

Int, fload and complex are of numeric forms.

String is is data form whose values are enclosed in quotes.

Boolean is data form which has only 2 possible values i.e. true or false.

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

Operation with numbers, operators, different string values with certain outcome makes up an expression.

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

Spam = 10 is called declaration. This declaration can than be used in expression like

Spam = spam + 10

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

bacon = 22

bacon + 1

value of bacon will be 23

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

'spam' + 'spamspam'

'spam' \* 3

Both result in same output

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

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() and String()

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

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

There will be type mismatch error. To fix this Convert 99 to String.