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

\* operator

'hello' value

-87.8 value

- operator

/ operator

+ operator

6 value

Operator perform a certain task

Value is inside a variable

2. What is the difference between string and variable?

Spam variable

'spam' string

A variable is a container that stores value and a string is a plan text of numbers, characters or words in single or double quotes “ “, ’ ‘

3. Describe three different data forms.

Integer - whole numbers

Float – any number(whole numbers, number with decimals point, any number)

Boolean – false/true

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

Values and operators.

The function of expressions to evaluate .

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

expression evaluate and statements does not evaluate.

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

bacon = 22

bacon + 1

Bacon variable will be 22

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

'spam' + 'spamspam'

'spam' \* 3

‘spamspamspam’

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

Number cannot be variable name.

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.'

99 will cause an error.

We can’t concatenate string and integer, so we convert 99 to string by adding “ “.