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

\* - This is an operator which is used for arithmetic multiplication operations

'hello' – This is string

-87.8 – This value indicates float value

- - This operation used to perform subtraction operations

/ - This operation used to perform Division operations

+ This operation used to perform addition operations

6 – This value represent a integer value

2. What is the difference between string and variable?

Spam – This is variable which store information like string

'spam' – This is a string which is a type of information of value or variable

3. Describe three different data forms.

Ans. Data will fall into Integer, float, Boolean and string

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

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

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

bacon = 22

bacon + 1

Ans. 23

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

'spam' + 'spamspam'

'spam' \* 3

Ans. Both values/output is same like”spamspamspam”

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?

a= 10

b=2.5

c=’string’

-converting float to int

Int(b)

-converting int into float

Float(a)

-converting int to string

Str(a)

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

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

Error – can not concatenate str to int

To solve this just convert int value to str

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