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

\*

'hello'

-87.8

-

/

+

6

**Ans :**

Operators Are : \*, - , /,+

Values : ‘hello’ , -87.8, 6

2. What is the difference between string and variable?

spam

'spam'

**Ans :**

‘spam’ – Strings has be mentioned within the quotations it can be either double quotation or single quotation

spam – is variable

3. Describe three different data forms.

**Ans:**

Numeric

String

Boolean

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

Ans:

Combination of Values and operators is called expression .

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

**Ans :**

Declaration means assigning value to a variable and expression means we use the declared variable with some operators and functions to perform a task/ job to get the required output

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

bacon = 22

bacon + 1

**Ans:**

**b**acon =22

bacon+1

Print(bacon)

**Output** : 23

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

'spam' + 'spamspam'

'spam' \* 3

**Output :**

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?

Ans:

Int(a) , Float(a) ,Str(a)

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

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

Ans: error: can only concatenate str (not "int") to str

Correction : ‘I have eaten’ + ‘ 99 ’ + ‘burritos’