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

Operators are used to calculate the values eg 1\*2 = 2(1 &2 are values \* is operator)

\* ----🡪 operator (Multiplication symbol)

'hello' --🡪 value

-87.8 --🡪 - is operator & 87.8 is value.

- --🡪 is operator (Subtraction Symbol)

/ --🡪 is operator (Division Symbol)

+ 🡪 is operator (Addition Symbol)

6🡪 value

2. What is the difference between string and variable?

Spam --🡪 Variable used for referring the values e.g. spam=10

'spam' -> String is the sequence of characters should be denoted within quotes

3. Describe three different data forms.

* Integer --- Allows numeric values
* String. ---- 'spam' -> String is the sequence of characters should be denoted within quotes
* Boolean--- allows one of two values ie True(1) and false(0)

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

Ans: An **expression** is an instruction that combines values and operators.

  The functions of all expressions it always evaluates down to a single value.

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

**Output:** 23

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

'spam' + 'spamspam' --🡪 Concatenating the string

**Output:** 'spamspamspam'

'spam' \* 3 --🡪 display thrice of the string as ‘\*’ multiply operator utilized

**Output:** 'spamspamspam'

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

**Ans:** Eggs is a true variable name because eggs are considered as variable but 100 is not a variable it is a value.

9. Which of the following three functions may be used to convert a value to an integer, a floating-point number, or a string?

1)integer function-🡪 Int()

eg: b = int(50)

print (b)

Ans: 10

2) float function float()

b = float(10)

print (b)

Ans: 10.0

3) String function str()

b = str("Display string")

print (b)

Ans: Display string

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

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

**Ans:** Concatenate can be done only string to string

So Correct expression of string concatenation is 'I have eaten ' + ' burritos.'