1. In the below elements which of them are values or an expression? eg:- values can be integer or string and expressions will be mathematical operators.

\* 🡪 Multiplication expression

'hello' 🡪 string value

-87.8 🡪 float value

- 🡪subtraction operator (expression)

/ 🡪 Division operator (expression)

* 🡪 operator (expression)

6 🡪 integer value

2. What is the difference between string and variable?

🡪 String is a datatype which represents the value in a variable.

🡪 Variable is the memory which is created during programming for storing values of any datatype.

3. Describe three different data types.

🡪 String, Integer, Float

4. What is an expression made up of? What do all expressions do?

🡪 Expression is made up of values, variables and operators ,which results to a single value of different datatype or similar data type when compared with values used in expression

Ex : 2 +3 = 5

5. This assignment statements, like spam = 10. What is the difference between an expression and a statement?

🡪 Expression results to a value ,but a statement does something like print statement which performs displaying things on console.

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

bacon = 22

bacon + 1

bacon variable contains 22 as value, because the expression value is not assigned to bacon again.

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

'spam' + 'spamspam' 🡪 ‘spamspamspam’

'spam' \* 3 🡪 ‘spamspamspam’

8. Why is eggs a valid variable name while 100 is invalid?

🡪 variable names should not be started by numericals.

9. What three functions can be used to get the integer, floating-point number, or string version of a value?

Int(), float(),str()

10. Why does this expression cause an error? How can you fix it?

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

* String can be concatenated using only + with only other string ,
* Correct expression is by casting the datatype from integer to string for 99 value

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