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.

\* 🡪 Expressions

'hello' 🡪Values

-87.8 🡪Values

- -> expressions

/ -> expressions

* -> expressions

6 🡪Values

2. What is the difference between string and variable?

String is data type

Variable is a place holder which can hold any kind of data types like int, float, Boolean

3. Describe three different data types.

Int , float, complex

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

Expressions are mathematical operators like plus, minus, multiplication, division, modulo.

Help to perform mathematical operations.

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

Expression is in this case equal to and statement is (spam = 10)

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

bacon = 22

bacon + 1

bacon = 23

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

'spam' + 'spamspam'

'spam' \* 3

spamspamspam

spamspamspam

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

In python a variable cannot start with number

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.'

Because data types are different. Hence, can’t be concatenated.

'I have eaten ' + ‘99’ + ' burritos.'