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 a type of variable or values

Variable: is a holder for a representative a value.

3. Describe three different data types.

Integers, Strings, Boolean

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

An expression consists of operators and operand, and it function to produces or return a result value

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

Expression nothing but a statement, expression is a subset of statement spam = 10 is an expression that if it combined with other expression as a complete line of code that performs some action become a statement

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

bacon = 22

bacon + 1

23

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?

A variable name can only contain alpha-numeric, alphabetic and underscores and case sensitive, while 100 is values as an integers and eggs is an alphabetic character.

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.'

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