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.

\* - expression

'hello' - Values

-87.8 - Values

- - expression

/ - expression

* - expression

6 - Values

2. What is the difference between string and variable?

Variable = container that store information

String - A String is usually words enclosed in “”

3. Describe three different data types.

Numeric, Boolean, Dictionary.

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

An expression is a combination of operators and operands that is interpreted to produce some other value

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

An Expression always evaluates to a value. And, A statement does something, like creating a variable or displaying a value.

Spam = 10. -- > it is an Expression . It will evaluates to a value.

Spam = 10. 🡪 ‘Spam = 10 ’ It is under “ ”. statement.

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

bacon = 22

bacon + 1

Ans – 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?

Variable names cannot begin with a number.

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

Str(), int(), Float()

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

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

99 is integer it cannot be concatenate with strings. We have to do typecasting for 99 to convert into strings

'I have eaten ' + ‘99’ + ' burritos.'