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?

A Variable is a store of information, and a String is a type of information you would store in a Variable.

3. Describe three different data types.

Integer

Float

boolen

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

An expression is **a combination of operators.** Expressions are **representations of value**. They are different from statement in the fact that statements do something while expressions are representation of value. For example any string is also an expression since it represents the value of the string as well.

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

**Expression is made up of values, containers, and mathematical operators (operands) and the statement is just like a command that a python interpreter executes like print**.

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'

'spam' \* 3

'spamspamspam

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

**Because 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?

**int() , float() , and str( )**

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

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

**TypeError**: can only concatenate str (not "int") to str

By removing +99+

'I have eaten burritos.'