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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'   ——> Value

-87.8   ——> Value

-          ——> Expression

/   ——> Expression

   +   ——> Expression

6   ——> Value

2. What is the difference between string and variable?

-> String is the one of the type of data type. It used for storing values in the form of text

-> Variable is the name of storage where values are stored, for example a = 6, 6 is stored at one place and using a we can call that value.

3. Describe three different data types.

Below are the three types of data types

Numeric - all whole numbers are store here, including negative numbers.

Float - all numbers which are in decimals are called float data types are stored here, it also contains both negative and positive

Boolean - this stores True or False value only.

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

An expression are made up of Values, operators and variables. It performs operations on values and assign the final result to variable or decide the logical conditions

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

Expression perform operation on values and sometimes store result in variable

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?

Variable name cannot start with a number

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

integer -> int()

 floating-point number -> float()

string -> str()

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

'I have eaten ' + 99 + ' burritos.' -> this contains integer, cannot add integer to string

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