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?

Variable is the store of information and the string is the type of information stored in variable

3. Describe three different data types.

Integer

Sting

Boolean

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

Expression is made up of mathematical operator which do the mathematical operation

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

An expression is a combination of variable, operators and function that calls always produced or return a result value

Any Instruction that python can produce is called the 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?

Variable name should start with letter (a-zA-Z) or underscore

Variable should begin with numbers

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.

We cannot concatenate the strings and the integer

So, solution is

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

'I have eaten ' + ‘99’ + ' burritos.'

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