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.

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'hello' - string

-87.8 - values

- - expression

/ - expression

* - expression

6 - values

2. What is the difference between string and variable?

String comes in the “ “ , while variables are those where we assign the values like x=2 here x is the variable.

3. Describe three different data types.

Integer data type

Floating data type

String data type

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

Expressions are the mathematical operators which can be +, -, \*, /, etc. It will use for calculation as well as for comparison.

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

Her expression is = which means to use mathematical operators while statement is spam = 10.

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?

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.'

Here there are two string and one integer so we can’t add it.

To avoid the error 99 should be string which would be ‘99’.