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' # values

-87.8 # values

- #expression

/ #expression

* #expression

6 # values

2. What is the difference between string and variable?

A string is a type of data which is stored in a varable, variables are like cells or empty boxes in which strings and other data are stored

3. Describe three different data types.

Float / numbers with decimal

Integer / numbers

Boolean / true or false which shows logical values

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

An expression is combination of operators and operands example , a = 2 + 3 here + is an operator and 2 and 3 are operands

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

expression returns a value, while a statement performs an action

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 must start with letter or an underscore

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

int() for integer

float() for floating point

str() for strings

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

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

Strings and integers cannot be concatenated means cannot be added to fix this we can use below code

'I have eaten ' + ‘99’+ ' burritos.'

Or

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