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 float

- expression

/ expression

* expression

6 value

2. What is the difference between string and variable?

Variable is a form that stores the information including a string. Eg. If X= 10 then X Is a variable that stores the value 10.

String is a type of information that would be store in a variable. It usually a words enclosed in quotes.

3. Describe three different data types.

Numeric

Boolean

set

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

Expression represent a value such as like number , a string or variable. Expression is made up of values and operators and always produce value.

Expression combines values and operators and produce value.

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

Expression always produce value whereas statement is may or may not produce any value, it only does whatever the statement says.

6. After running the following code, what does the variable bacon contain?

bacon = 22 variable bacon contain value 22 in first statement

bacon + 1 this statement yields 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 can not start with a number.

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 number

Str () for string

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

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

can only concatenate str (not "int") to str

'I have eaten ' + '99' + ' burritos.' This expression will not run into a error