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.

\*

'hello'-Value

-87.8- Value

- expression

/ expression

* expression

6 - Value

2. What is the difference between string and variable?

Strings are data, which we use them to fill up a variable whereas variables are symbols that you can use to store data in a program.

3. Describe three different data types.

1) integer

2) float

3)string

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

An expression is a combination of values, variables, and operators.

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

An expression is a combination of values and functions that are combined and interpreted by the compiler to create a new value, whereas a “statement” which is just a standalone unit of execution and doesn't return anything.

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

bacon = 22 22

bacon + 1 23

7. What should the values of the following two terms be?

'spam' + 'spamspam'='spamspamspam'

'spam' \* 3='spam spam spam '

8. Why is eggs a valid variable name while 100 is invalid?

A variable name in Python must start with a letter or the underscore character. A 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?

Int(), float(), str()

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.'

I have eaten 99 burritos.