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' :String Value

-87.8 :integer Value

- :Expression

/ :Expression

+ : Expression

6: Integer Value

2. What is the difference between string and variable?

String is a variable that represent text.

Variable is a name that can refer to any value.

3. Describe three different data types.

String, Int, Float

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

Expression is a combination of operands and operators and interpreted to produce the result.

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

Expression is made up of values, and mathematical operators, and the statement are just like a command that a python interpreter executes.

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

bacon = 22

bacon + 1

Ans: 23

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

'spam' + 'spamspam' : spamspamspam

'spam' \* 3 : spamspamspam

It will be the same

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

Variable name should not start with number.

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

Ans: str(), int(), float()

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

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

We can only concatenate str to str.