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.

\* - expressions

'hello' - values

-87.8 - values

- - Expression

/ - expression

* - expression

6 - values

2. What is the difference between string and variable?

A Variable is a store of data, and a String is a type of data you would store in a Variable

3. Describe three different data types.

1. Integers

2. String

3. Boolean

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

Expression made up of mathematical operators and they do some mathematical operations on 2 or more variables like addition, subtraction, multiplication etc

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

A statement in python is not evaluated for some result

Expression in python is evaluated for some result

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?

Variable names cannot begin with numbers that why 100 is invalid variable

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

Int (), float (), str () can be used to get integer, floating-point number, or string version of a value

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

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

**TypeError**: can only concatenate str (not "int") to str

99 must be string i.e ‘99’