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' >values

-87.8 >values

- > expression

/ > expression

* > expression

6 >values

2. What is the difference between string and variable?

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

3. Describe three different data types.

> int, float, tuple, list

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

>An expression is **a combination of operators and operands** that is interpreted to produce some other value.

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

>Statements represent an action or command e.g print statements, assignment statements. **Expression is a combination of variables, operations and values that yields a result value**

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?

>A variable name cannot start with a number, it can be alphanumeric but should only start with letters and underscore characters.

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

>The **int() , float() , and str( )** functions will evaluate to the integer, floating-point number, and string versions of the value passed to them

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

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

>99 is an integer value and cannot be added directly to a string directly. below changes can be made to it

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