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 = **value**

- = **expression**

/ = **expression**

* = **expression**

6 = **value**

2. What is the difference between string and variable?

**String is a type data and variable is memory name to hold the data**

3. Describe three different data types.

**Integer, string, float…etc**

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

**Expression is the combination of values and mathematical operators, which assigns data into variable and modifies**

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

**Expression is the combination of values and mathematical operators, whereas statement is executable in python. Ex: print()**

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

bacon = 22

bacon + 1

bacon = **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?

**Integer can’t be a variable**

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

**int(), str() and float()**

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

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

**Concatenation of integer and string value is not possible**

**'I have eaten ' + ‘99’ + ' burritos.'**