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.

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'hello' : **String**

-87.8 : **Integer**

- : **Expressions/mathematical operator**

/ : **Expressions/mathematical operator**

* : **Expressions/Mathematical operator**

6 : **Integer**

2. What is the difference between string and variable? **: A String is a text which may include letter, words, phrases or symbols, while a variable can store data from string to numbers.(Int, float, string, float)**

3. Describe three different data types. : **Strings, Lists, Tuples.**

4. What is an expression made up of? What do all expressions do? : **An expression is made up of mathematical operators which helps us to perform different mathematical operations such as additions, multiplication, subtraction, division and complex operations too.**

5. This assignment statements, like spam = 10. What is the difference between an expression and a statement? : **Expressions always returns a value while a statement never returns a value. Spam = 10 is statement as it cannot return a value or print any result.**

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

bacon = 22

bacon + 1 : **The bacon value is set to 22 and the expression bacon + 1 won’t reassign the value. If we wanted to change, we would need an assignment statement like bacon = bacon + 1.**

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

'spam' + 'spamspam' : **spamspamspamspam**

'spam' \* 3 : **spamspamspam**

* 8. Why is eggs a valid variable name while 100 is invalid? : **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() functions can be used to get the 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.' **: Only Strings can be concatenated to other strings and ‘+99+’ is an integer.**