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**

- - **Expressions**

/ - **Expressions**

+ - **Expressions**

6 - **Values**

2. What is the difference between string and variable?

**A string is the values inside the quotes assigned to a string.**

**A variable can store everything from strings to numbers.**

3. Describe three different data types.

**str – For string type of data.**

**int – integer type of data**

**float – number with decimals.**

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

**An expression is a set of variables, procedures, and values that results in a numerical value.**

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

**Print statements and assignment statements are examples of statements that represent an action or instruction.**

**An expression is a set of variables, procedures, and values that results in a numerical value.**

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

bacon = 22

bacon + 1

**The variable bacon contains the value 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?

**Because variable names cannot begin 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().**

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

'I have eaten ' + 99 + ' burritos.' **= Can concatenate only string not an integer.**

**We can fix it by 'I have eaten ' + ’99’ + ' burritos.' = 'I have eaten 99 burritos.'**