**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.**

Values - 'hello' , -87.8, 6

Expressions - \* , - , / ,+

**2. What is the difference between string and variable?**

String is type of information enclosed in “ ”.

Variable is store of information that can store string, integer, float etc.

**3. Describe three different data types.**

3 different data type are –

Numeric- int- data can be integer value, float- data can be decimal number, Complex no.

Boolean - can either be True or False

Sequence Type- String, List, Tuple

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

Expression= Variable + Values + Operator + Function call. All expression evaluate to provide result.

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

Expression is made up of values, containers, and mathematical operators (operands) and the statement is just like a command that a python interpreter executes like print. An expression translates to a value, its subset of statement. A statement consumes a value to produce a result.

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

**bacon = 22**

**bacon + 1**

It contain 22 only because we are not reassigning increment 1 result.

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

**'spam' + 'spamspam'**

**'spam' \* 3**

It will be same for both spamspamspam

**8. Why is eggs a valid variable name while 100 is invalid?**

Because the first character of the variable can be an alphabet or (\_) underscore.

**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.'**

Because It try to concatenate string to integer.