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.

\*

'hello'

-87.8

-

/

6

**Answer :** 'hello' , -87.8 and 6 are values

\* , - , / , + are expressions

2. What is the difference between string and variable?

**Answer :** A string can be a series of alphabets or alphanumeric value whereas a variable can hold any value like string or integer or float or complex or bool.

3. Describe three different data types.

**Answer :** Int

Float

Str

Complex

bool

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

**Answer :** Expression is made up of aggregation of multiple values. Expression always evaluates to a final value

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

**Answer :** An expression always ends up a generating a value where as statement depicts or prints the assigned value. A statement need not return a value.

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

bacon = 22

bacon + 1

**Answer :** bacon will be 22 only

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

'spam' + 'spamspam'

'spam' \* 3

**Answer :** spamspamspam

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

**Answer :** Variable name cannot start with number or special characters

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

**Answer :** Int

Float

str

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

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

**Answer :** 99 is an integer. It has to be converted to string by enclosing in quotes.