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

- 2. What is the difference between string and variable?
- A) **String** A string is a sequence of characters.

Variable – Variable is used to store the information.

- 3. Describe three different data types.
- A) integer, float, complex, boolean
- 4. What is an expression made up of? What do all expressions do?
- A) Expression is a combination of operand and operators. With expression we can do addition, subtraction, multiplaction, division, logical operations etc.
- 5. This assignment statements, like spam = 10. What is the difference between an expression and a statement?
- A) Expression is a combination of variables and operations that returns a value.

The statement is an action or command that does something, for example, a print statement or assignment statement.

6. After running the following code, what does the variable bacon contain?
bacon = 22
bacon + 1
A)23
7. What should the values of the following two terms be?
'spam' + 'spamspam'
'spam' * 3
A) 'spam' + 'spamspam' – 'spamspamspam' 'spam' * 3 – 'spamspamspam'
8. Why is eggs a valid variable name while 100 is invalid?
A) Variable names should not start with a number, as 100 is an integer is not a valid name for variable.
9. What three functions can be used to get the integer, floating-point number, or string version of a value?
A) int(), float(), str()
10. Why does this expression cause an error? How can you fix it?
'I have eaten ' + 99 + ' burritos.'
<ul> <li>A) 99 is an integer and cannot be concatenated with a string. To fix this 99 should be changed to string and then concate with other string.</li> <li>"I have eaten" + str(99) + "burritos"</li> </ul>