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.

\* - Expression

'hello' – Values

-87.8 - Value

- - Expression

/ -Expression

+ - Expression

6 -Value

2. What is the difference between string and variable?

- String is a type of variable whereas a variable is a type of storage that stores values such as Integer, String, float, etc.

3.Describe three different data types.  
- Sets, Tuple, Dictionary

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

- An expression is made up of strings and integers (values), connected by the mathematical operators that can be evaluated to a single value.

- An expression may be made up of combination of variables and operators, rather the combination of operators and operands, to be precise.

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

- Expressions are combinations of values and operators, whereas a statement may use to represent something, doesn’t return any value as such, moreover a command. For example: Print statement executes the statement which is asked to.

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

bacon = 22

bacon + 1

= 23

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

'spam' + 'spamspam'

'spam' \* 3

= 'spamspamspam'

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

- Because variable names cannot begin with any integer.

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

- The functions are: int(), float(), str()

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

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

-An integer cannot be combined with strings, to get a value. So, we need to convert the data type of 99 to string. To obtain a result: 'I have eaten ' + ‘99’ + ' burritos.', should be coded this way.