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' - **values**

-87.8 - **values**

- **Operator**

/ - **Operator**

+ - **Operator**

6 - **values**

2. What is the difference between string and variable?

String is an information or combined words enclosed in double quote.

Example: A = **"this is my first assignment"**

Here "this is my first assignment" is the String

Variable is the store of information which defines any information.

Example: **A** = "this is my first assignment"

Here **A** is the Variable which defines the stored information.

3. Describe three different data types.

a) List

b) String

c) Float

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

Expression gives a meaning to any statement using proper variable and operator, which then can be define as a single value.

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

Expression defines a value and a statement has no credibility to the value, it is just a statement unless we give it a meaning by adding a variable and operator.

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

bacon = 22

bacon + 1

It can be like A = bacon +1

Then it will be A = 21

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 Eggs contain naming convention and 100 is an integer, and variable cannot be a integer, but it could alpha numeric.

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

float

int

strng

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

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

- **Only strings can be combined using + operator**