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' 🡪 String

-87.8 🡪 Float

- 🡪 Expression

/ 🡪 Expression

* 🡪 Expression

6 -🡪 Integer

2. What is the difference between string and variable?

A Python variable is a reserved memory location to store values.

A Python String is a sequence of charactered enclosed in single or double quotes

3. Describe three different data types.

Integer

String

Float

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

An expression is a combination of operators, constants and variables. An expression may consist of one or more operands, and zero or more operators to produce a value.

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

Ans: spam=10 is statement which assigns spam to the 10.

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

bacon = 22

bacon + 1

Ans: 23

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?

Variable should always start with string. If we try to execute eggs=10, it will assign value 10 to variable eggs but if you try to execute 100=10 it will give syntx error saying cant assign to literal but if we give a100=10 will work

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

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

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

Error: **TypeError**: can only concatenate str (not "int") to str

How to resolve 🡪 Give 99 in single quotes and it will execute successfully.

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