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.

Multiplication- \*

String - 'hello'

Float point number - -87.8

Minus - -

Division - /

Addition- +

Integer number - 6

2. What is the difference between string and variable?

Strings in python are surrounded by either single quotation marks, or double quotation marks. 🡪 'hello' is the same as "hello"

Variable –are used to store any data.

3. Describe three different data types.

Numeric data types: int, float, complex.

String data types: str.

Sequence types: list, tuple, range.

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

An expression is a combination of values, variables, operators, and calls to functions.

A combination of operands and operators is called an expression. The expression in Python produces some value or result after being interpreted by the Python interpreter.

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

A statement in Python is used for creating variables or for displaying values.

The expression in Python produces some value or result after being interpreted by the Python interpreter.

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

bacon = 22

bacon + 1

* After running the above code , bacon variable contain the 22 value.

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

'spam' + 'spamspam'

* print('spam' + 'spamspam') 🡪spamspamspam

'spam' \* 3

Print('spam' \* 3)🡪spamspamspam

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

🡪 Because variable names cannot begin with a number.

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

🡪 int() , float() , and str( ) functions will 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.'

* Please use below

print('I have eaten ' + '99' + ' burritos.')

output🡪 I have eaten 99 burritos.