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.

\* - expressions

'hello' =values

-87.8= values

- expressions

/ expressions

* expressions

6 = values

2. What is the difference between string and variable?

A variable is basically the name of the location in the primary memory of your computer. This can be chosen by you. A variable can **store everything** from strings to numbers. A string is the values inside the quotes assigned to a string.

Variables store information in a program. You can think of variables like a box or a container with a name on them, related to the things inside. These items inside are called values, which can be stored as text or numbers. ... A string is a type of value that can be stored in a variable.

3. Describe three different data types.

* Numeric.
* Sequence Type.
* Boolean.
* Set.
* Dictionary.

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

Ans: An expression is made of symbols(<,>,+,-,\*,/,).Expressions are used to evalute value and give result.

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

Expression”=”

Statement: spam = 10(assignment statement)

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

bacon = 22

bacon + 1

o/p:22

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

'spam' + 'spamspam' o/p: spamspamspam

'spam' \* 3 o/p: spamspamspam

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

Eggs is a string,whereas 100 is value .values cannot be used as variable name.

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

The **int() , float() , and str( ) functions** will evaluate to the integer, floating-point number, and string versions of the value passed to them.

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

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