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.

Ans-

\* - Expression

'hello' - Value

-87.8 - Value

- - Expression

/ - Expression

+ - Expression

6 - Value

2. What is the difference between string and variable?

Ans – String - is the Type of information like “Hello World”.

Variable - It stores data of value.

3. Describe three different data types.

Ans – String(str), Integer(int), List (lst), Dictionary(dict), Set(set)

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

Ans – Expression made up of Values, Variables, Functions, Operators.

Expression is the instruction given to interpreter to evaluate values, variables, and various function to print the result.

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

Ans – Expression – It is combination of Values, Variables, Functions, Operators.

And Statement – It represent action to define the variable.

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

bacon = 22

bacon + 1

Ans – bacon variable contain value 22.

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

'spam' + 'spamspam'

'spam' \* 3

Ans –’ spamspamspam’.

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

Ans – In variable we cannot start with number.

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

Ans – int (), float (), str ().

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

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

Ans – In one line all function must be string.

To fix need to declare 99 as string.

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