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' (value)

-87.8 (value)

- (expression)

/ (expression)

* (expression)

6 (value)

2. What is the difference between string and variable?

String is a value that representing text.

Variable is the name that can refer to any value.

3. Describe three different data types.

LIST is used to store many datatypes in single variable

DISTIONARY can contained many functions, operator .

STRING can store character vales in ‘/” format.

INTEGER can store only numerical values.

FLOAT can store only floating values 1.22, 5.0 etc.

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

Expression is made up of values, containers, and mathematical operators.

Expression is used to evaluate the values and represent the result on screen.

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

Expression is made up of values, containers, and mathematical operators.

Statement is just like command in python like print.

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

bacon = 22

bacon + 1

* Output: 23

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

'spam' + 'spamspam'

'spam' \* 3

* Output: spamspamspam

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

* Variable may start with character then it is valid, so egg is valid and 100 is invalid.

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

* Str(), int(), float()

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

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

Because 99 is integer it can’t be mixed with string function