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' : values

-87.8 : values

- :expression

/ :expression

* :expression

6 :values

2. What is the difference between string and variable?

A: string is a container of characters like alphabets, number, symbols enclosed in ( ‘ ’ ,” “).

Variable is container of numbers.

3. Describe three different data types.

A: Numeric: (Integer, float, complex), string, Boolean

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

A: Expression denotes has values ,variables ,operators to define/solve a mathematical problem.

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

A: Assignment statement is assigning a value to variable spam.

Expression is when the variable will be used for further mathematical formula or logical steps.

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

bacon = 22

bacon + 1

A; bacon will contain 22

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

'spam' + 'spamspam'

'spam' \* 3

A: ‘spamspamspam’

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

A: In python we cant have variable names starting with numbers .Hence eggs is valid and 100 is not

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

A: int()

float()

str()

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

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

A: ‘’ inverted comma missing on 99

'I have eaten ' + ‘99’ + ' burritos.'