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 = value

2. What is the difference between string and variable?

Ans. String is a value, which could be anything in alphanumeric type format, whereas variable is kind of container which contains different types of values.

3. Describe three different data types.

Ans. String , Boolean, Integer , float , Complex , dictionary , etc.

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

Ans. Expression is made up of values and operators. All expressions are used to do certain desired operations to the values or variables given.

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

Ans. Expression is executable and gives value. Statement are non-executable and can be used to create certain variables.

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

bacon = 22

bacon + 1

Ans. 23

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

'spam' + 'spamspam' = “spamspamspam”

'spam' \* 3 = “spamspamspam”

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

Ans. Because 100 is a value of integer type.

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. Error because 99 is an integer and other is string.

To fix – 'I have eaten ' + ‘99’ + ' burritos.