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.

\*

'hello' (Values)

-87.8 (Values)

- (expressions)

/ (expressions)

* (expressions)

6 (Values)

2. What is the difference between string and variable?

String – It’s the input data type and denoted by “ or ‘

Variable – It’s the placeholder of any input datatype. For example, a = 10. Here 10 is the value stored in the variable (a)

3. Describe three different data types.

Intiger – It refers to any value between – infinity to + infinity

String – It’s the placeholder value inside “

Float – It’s the value with decimal points

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

Expressions are normally operators. Expression helps in calculations

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

Expression denotes the operator where a statement denotes the details of the variable with it’s placeholder value.

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'

'spam' \* 3

Ans:

Spamspamspam

Spamspamspam

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

A variable name can’t be a number.

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

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

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

Ans:

It contains error as it’s a mix of string & integer.

Fix it: 'I have eaten ' + “99” + ' burritos.' – Put a double inverted come to fix it.