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' => numeric(string)

-87.8 =>numeric(float)

- => arithmetic operator (subtraction)

/ =>arithmetic operator(division)

* Arithmetic operator (addition)

6 – numeric(integer)

2. What is the difference between string and variable?

Ans-> String is a datatype and is written in single/double/triple quotes whereas variable are container that holds any type of data.

3. Describe three different data types.

Ans-> Integer-> it is a type which contains numbers without decimal points.

String-> it is a type which contains data in single, double or triple quotes;

Boolean->it is a type which return either True or False depends on condition.

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

Ans->Expression is a set of operators and operands.

It evaluate any expression and return a meaningful output on a given condition.

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

Ans->Statement stores the value whereas expression always return an output.

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

bacon = 22

bacon + 1

Ans -> bacon = 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?

Because ‘eggs’ has valid nomenclature while 100 has not.

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

Using typecasting -> Int,string,float

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

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

Because we can not concate int after string.

We can use quotes on 99.