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.

\* : \* is the mathematical operator

'hello' :- value

-87.8 :- value

- :- Mathematical operator

/ :- Mathematical operatoe

* :- Mathematical operator

6 :- Value

2. What is the difference between string and variable?

String:- A string is a sequence of characters or a sequence of sentences/word.#

Variable :- Variable can be defined as it has a power to store any kind of value irrespective of data type.

3. Describe three different data types.

Int:- int in short form we call it has integer and it has a power to store integers.

Float:- float can store only decimal values

String:- string can store a sequence of characters.

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

There are 3 kinds of expression 1. Arthimatic 2. Character 3. Logical So, Every type of expression is a unique.

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

Expression :- It can be defined or used to save some value in it.

Statement:- It describe what we need to do.

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

bacon = 22

bacon + 1

bacon contains 23

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

'spam' + 'spamspam'

'spam' \* 3

Both values will be same = the output is spamspamspam

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

Because we can our IDE will accept variables in the form of string, whereas 100 is value where we can’t store any value.

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

Int(), float(), str()

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

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

The above expression is trying to concatenate into one statement but there Is an interger which cannot concatenate with string .

The solution for this is to change int to string: 'I have eaten ' + ‘99’ + ' burritos.'