Python Basic Assignment 1

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’ value

-87.8 value

- expression

/ expression

+ expression

6 value

2. What is the difference between string and variable?

String:  String is a series of characters. String is written in quotes .

Variable: Variables are containers for storing data values

3. Describe three different data types.

Integer: integer can store only numerical values.

Float: float can store only decimal values (3.56,75.34).

List: list is used for storing multiple data items in a single variable.

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

Expression is made up of values, containers, and mathematical operators.

Expressions are used to evaluate the problem. ( a\*b=8 )

5. This assignment statements, like spam = 10. What is the difference between an

expression and a statement?

Expression is made up of values, containers, and mathematical operators (operands) and the statement is just like a command that a python interpreter executes.

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

bacon = 22

bacon + 1

The answer is 22. as the executed output shows the operation result rather than what is contained in the variable "becon"

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 variable can’t start with a integer.

9. What three functions can be used to get the integer, floating-point number, or string

version of a value?

str()

int()

float()

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

'I have eaten' + 99 + 'burritos'

-It caused an error because 99 is not in quotes, only a string can be added to other string..

-Correct : 'I have eaten' + '99' + 'burritos'