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.

\* - expressions

'hello'- value – type(str)

-87.8-= value- type(flot)

- = expressions-

/ = expressions

* = expressions

6 = value-(int)

2. What is the difference between string and variable?

Ans - variable is the data store character and string is the data to fill the variable

3. Describe three different data types.

Ans -1) integer – includes all whole no e.g. 1 73 73

2) Boolean – includes logical expressions e.g. True or False

3) Floating data- include all decimal no e.g., 2;3 22.4

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

Ans- Expression is made up of values, containers, and mathematical operators

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

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

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

bacon = 22

bacon + 1

Ans- 23 as executive code

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

'spam' + 'spamspam'

'spam' \* 3

Ans- ‘spamspamspam’

And

‘spamspamspam’

Same output.

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

Ans- can’t start with variable and integer name

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

Solution – int(), flot () , str()

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

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

sol:  because 99 is an integer it cannot be concatenated with strings, if we have to concatenate it we need to do typecasting.