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(string)

-87.8 🡪 Value(int)

- 🡪 expression

/ 🡪 expression

+ 🡪 expression

6 🡪 value(int)

2. What is the difference between string and variable?

🡪 A string is a type of data type while variable is name given to memory location.

3. Describe three different data types.

🡪 int(stores numerical value without decimal) ex.617,2,5

🡪float(stores numerical value with decimal) ex. 85.2

🡪string(stores alphabetical value) ex “vfdfdvfgjh”,”ddfg dfgd”

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

🡪combination of operators and operands is an expression. Ex a= b+c +8

The expression returns any value and it can be stored in any variable.

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

🡪An expression always produces or return any value whereas statement may or may not return any value or produce any result.

Spam =10 will just assign or store 10 in spam variable.It is not returning any value.

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

bacon = 22

bacon + 1

🡪23

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

'spam' + 'spamspam'

'spam' \* 3

🡪spamspamspam

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

🡪A variable name should start with alphabet or an \_.

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

🡪a=int(value), a=float(value), a=Str(value)

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

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

🡪 99 is not string . replace it “99”