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' -> Value

-87.8 -> Value

- - Expression

/ - Expression

* - Expression

6 -> Value

2. What is the difference between string and variable?

**String** is enclosed in quotes such as “Data” & “Variable”

Variable: It stores data for e.g **a**= 10 , Here **a** is the variable

3. Describe three different data types.

**Float**: Stores floating values 12.3, 1.1

**Integer**:stores numerical values

**List**: It stores multiple items in a single value

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

Expressions are of values , mathematical operands such as +,-\*,/

e.g s= 2+3

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

Expression is of values, mathematical operands whereas statement is like a command where python interpreter executes that line

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

bacon = 22

bacon + 1

Ans: 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?

Because we cant name a variable just with integer but we can combine with alphabet for e.g egg100

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

str(),float(),int()

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

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

99 is an integer and it cannot be concatenated with string because of that we get error, If we do typecasting we can get rid of error