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' -> string

-87.8 -> float

- ->expression

/ ->expression

* ->expression

6 -> int

2. What is the difference between string and variable?

String is a group of character, or it is a type where variable is used for storing values

3. Describe three different data types.

Int, float, complex and string

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

Expression is made up with operator and operand. All expression will produce result.

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

Spam = 10 is statement. A statement is action or command like print statement, copy statement, assignment statement. Expression is combination of variable, operator and operator.

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

bacon = 22

bacon + 1

becon will contain 22 after last statement. Because we are assigning anything into becon variable.

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?

Egges is valid because it is started with characters where 100 is number. Number never be variable it would be value for a variable.

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

int(), float() and str() function can be used to get integer, float and string version of value.

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

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

99 is a integer so that we can not concat with string. for fix this issue, just do like this

'I have eaten ' +str(99) + ' burritos.'