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?

Variables are symbol that can use to store data in a program, example : X = 100

String are data so we can use them to fill up the variable ‘hello’

3. Describe three different data types.

Integer, Float, string

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

An expression is a combination of values and operators. All expressions evaluate to a single value

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

expression evaluates to a single value but statement does not

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

bacon = 22

bacon + 1

bacon variable is set to 22 since bacon + 1 expression does not reassign the value in bacon

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?

Variable name will not begin with number

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

int(), float(), and str()

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

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

Only string can concatenated with other string with + operator

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