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?

→A string is usally words enclosed with “ ” A variable is store of information

3. Describe three different data types.

→integer, float, character, boolean

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

→ To construct variables and operators

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

→statement do not necessarily return , Expression always evaluates to a value.

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

bacon = 22

bacon + 1

→ it gives 23 as execution code

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

'spam' + 'spamspam'

'spam' \* 3

→’spamspamspam’ it will be the same

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

→we cant start giving variable an integer name , astring like alphabet name then integer

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

→str() , int() , float()

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

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

→99 is an integer it cannot be concatenated with strings 99 is an integer it cannot be concatenated with strings