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' - values

-87.8 – values

* expressions

/ expressions

* expressions

6 values

2. What is the difference between string and variable?

String is sequence of characters, variable is reference.

3. Describe three different data types.

Int, float, string

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

Combination of operator and operand

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

Expression always evaluate to a value, statement is used in creating a variable or displaying a value.

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

bacon = 22

bacon + 1

22

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 can’t start with number

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

Int(), float(), string()

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

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

‘I have eaten’ + str(99) + ‘burritos’