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?

Variable: Variable is where the value is stored it can be string, number etc.

String: Collection of characters in a enclosed quotation symbols

3. Describe three different data types.

1) String : Collection of characters in a enclosed quotation symbols

2) Integer: Collection of whole numbers

3) Float: Collection of decimal numbers

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

A combination of values, variables, and operators- A combination of values, variables, and operators

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

Expression: A combination of values, variables, and operators example: 5 + 3 (evaluates to 8)

Statement: A complete instruction that performs an action but doesn’t necessarily return a value example spam = 10.

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

bacon = 22

bacon + 1

23

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?

Variable name cannot start with numeric it is an error

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

1) int()

2) float()

3) str()

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

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

We cannot add integer with string so 'I have eaten ' + str(99) + ' burritos.'