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.

\* - operator

'hello' - value

-87.8 - value

- - operator

/ - operator

* - operator

6 - value

2. What is the difference between string and variable?

Variable can be integer, string or something different type.

String is a type of variable.

3. Describe three different data types.

Int, float, bool, string

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

Expression made up of operators, identifiers, literals. All expressions do activity.

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

Expression produced a value and that value can will be passed into the function, statement is not.

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

bacon = 22

bacon + 1

Answer: 22

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 can’t start with digit.

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.'

In this expression used two different types, int and string.

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