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?

String = it is a array of bytes representing unicode characters

Variable = it is a symbolic name which points to an object

3. Describe three different data types.

Data types are classification of the data, below are the data types supported in python

Text, Numeric, Boolean, None, Sequence, mapping, Set, Binany,

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

An expression is a combination of values, variables, operators, and calls to functions. Expressions need to be evaluated

5. This assignment statements, like spam = 10. What is the difference between an

expression and a statement?

--> expression is a combination of values and functions that are combined and interpreted by the compiler to create a new value, as opposed to a statement which is just a standalone unit of execution and doesn't return anything

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’ --> spamspamspam

‘spam’ \* 3 --> spamspamspam

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

--> variable name can only contain alpha-numeric characters and underscores

9. What three functions can be used to get the integer, floating-point number, or string

version of a value?

--> int(), float(), str()

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

‘I have eaten’ + 99 +’ burritos’ = concatenating of only string values is possible