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' *# values*

-87.8 *# values*

- *# expression*

/ *# expression*

* *# expression*

6 *# values*

2. What is the difference between string and variable?

*String: numerical and alphabetics with single/double quotes*

*Variable: name or identifier which contains a value, and variable values can vary*

3. Describe three different data types.

*Integer, float, strings*

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

*Expression is a combination of operators and operands. For example*

*X+ 2, here ‘X ‘and ‘2’ are operands and ‘+’ is operator.*

*Expressions evaluate a value.*

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

*Expression is a combination of operators and operands*

*Statement is instruction for express the expression*

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?

*In python identifier/name does not allow to 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(), str()*

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

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

*This expression is with string and integer, which cases an error.*

*‘I have eaten’ + ‘99’ + ‘burritos.’*