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?

Ans: String is a set of characters which hold some value while variable is a place holder to store values of different types.

3. Describe three different data types.

Ans: Numeric: It holds numeric values like integer or decimal.

String: It holds characters

Boolean: It hods values like True or False.

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

Ans: Expressions are made of variables, values and operators. Expressions perform logical, arithmetic and other types of operations which return some value

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

A statement is any instruction which can be executed by a programming language llike Python.

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

bacon = 22

bacon + 1

Ans: 22

7. What should the values of the following two terms be?

'spam' + 'spamspam' : ‘spamspamspam’

'spam' \* 3 : ‘spamspampam’

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

Ans: Because a variable can’t start with a number.

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

Ans: int(), float(), chr()

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

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

Ans: 'I have eaten ' + ‘99’ + ' burritos.'