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. The variable is used to store information like integers and strings. A string is the type of information that is stored in a variable. A string is a series of characters stored I between ‘ ‘ in python.

X = ‘good’

In this X is variable and ‘good’ is string.

3. Describe three different data types.

* Integer- The value contains negative and positive whole number.
* Float- The float contains all the real numbers.
* String- It is a combination of alphanumeric values. It is represented in “”. Eg. “Happy”.

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

Ans.= An Expression is a sequence or combination of values, variables, operators, and function calls that always produces or returns a result value.

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

Ans.= Statement represents action or command. Expression is a combination of variables, operations, and values that give a result.

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

bacon = 22

bacon + 1

Ans. bacon=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?

Ans.= Because there are some rules for variable. Eggs is no keyword but 100 is a number and it can’t be used as a variable

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

Ans.= int(), float(), str()

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

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

Ans. Because 99 is not a string