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' - str(values)

-87.8 - int(values)

- - operator

/ - operator

+ - operator

6 - int(values)

2. What is the difference between string and variable?

String represents a word with value and it is a collection of characters

Variable is a name which can refer the value

A=”hhh”

Here A is variable

“hhh” is string

3. Describe three different data types.

Tuple - immutable data which comes with in the notation of - ()

String - immutable data which comes with in the notation of – ““. which has single data

List - mutable data which comes with in the notation of – []. which has many data

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

Expression contains of values, variable and operators.

Expressions are the represents the values (in single value)

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

Expression which represent the value but statement which gives the complete value of the expression

Eg: 1+1 is the expression

A = 1+1 is the statement

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

bacon = 22

bacon + 1

ans = 23

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

'spam' + 'spamspam'

'spam' \* 3

Will get same answer 'spamspamspam'

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

Values which start alphabet not in numbers

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

Int(),float(), and str(“”)

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

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

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