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

/ value

* expression

6 value

2. What is the difference between string and variable?

ANS - String is considered as type of data and variable is is kind of data storage which we store in RAM or Main memory

3. Describe three different data types.

ANS - Integer, Float, Complex

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

ANS - Expression is the combination of operators and operand. It is use to evaluate into single value

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

ANS – Expression is something which gives the result or it can be change, but statement is opposite to that it don’t give any result or it don’t return any value

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

Bacon = 22 = It will print “2”

bacon + 1 = It will give and error as string and integer can’t be added without changing the data type

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 – Variable can be start with underscore or by alphabets only.

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

ANS – int() for Integer, float() for Float, str() for string

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

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

ANS – Here we are adding string and integer without changing the data type, so

‘I have to eaten’+str(99)+’burriots’ - This will give proper result