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.

\*

'hello' ------- Values

-87.8 ----------- Values

- ----------- expression

/ ----------- expression

* ----------- expression

6 ----------- Value

2. What is the difference between string and variable?

String is comprised of an array of characters which is capable of containing spaces and numbers.

Variable : It is used to store some value.

3. Describe three different data types.

Float

Int

Char

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

Expression is made up of numbers and operators which returns some value after calculations.

Eg: 13\*2=26

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

Here 10 is assigned to spam variable. If we print(spam) it will give 10. Whereas expression is something to perform mathematical operations.

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 : 'spamspamspam'

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

Ans: A variable cannot of purely integers .

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.'

Cannot concatenate int and str.

Fix:

'I have eaten ' + ‘99’ + ' burritos.'