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?

**string -> type of information**

**varaible -> store of information**

3. Describe three different data types.

**Integer - whole numbers**

**Floating number - number with decimal point**

**boolean - representing logical values (i.e) True , False**

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

**An expression is made up of operators, constant and variables. Expression are representation of values.**

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

**Expression is a combination of values and functions which are combined whereas statement just standalone of execution doesn't return anything.**

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

bacon = 22

bacon + 1

**bacon = 23**

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?

**Variable name cannot begin with a number.**

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.'

**it can only concatenate str (not "int" ) to str**

**I can fix it with the statement as 'i have eaten 99 burritos'**