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'

-87.8

-

/

  +

6

2. What is the difference between string and variable?

difference between string and variables is string can be numeric, special characters, alphabets and it is mentioned in tow " ". variable are always alphabets and it can be assigned to number of different operator.

3. Describe three different data types.

There are many data types in python String, integers, float.

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

Expression in python used for Assigning values to variables and performing calculation and transformation on data, Evaluavating condition and making disition passing values to function and methods, generating out put to control are divices

5. This assignment statements, like spam = 10. What is the difference between an expression and a statement? expression is a combination of values, variables, operators, that produces single values

A statement in other hand is a complete line of code that performs a specific action line spam = 10 in this statement variable spam is assigned to an integer 10

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

bacon = 22

bacon + 1   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?

Because eggs are variable and 100 is an integers

9. What three functions can be used to get the integer, floating-point number, or string version of a value? for integers int(), for float float(), for strint str() is used.

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

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

By making integer 99 as a string by using ' '