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 is a combination of characters . e.g.: Name=”Dinesh”

Dinesh is a string while Name is the variable.

Just like a container you can store your values in variables.

3. Describe three different data types.

Numeric(integer,float,complex) , Boolean, sequence(list,tuples,string) , dictionary and set

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

Expressions are made up of values and operator, etc.. with an expression we can assign a values and show it in the output screen.

Sum= 20+50

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

= is an expression while spam=10 is a statement

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'

'spam' \* 3

spamspamspam

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

Variable name should always start with a character not by the numeric values.

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.'

99 is an integer number we need to use typecast method to get the result.