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?

A **string** is a type of an information which we store in the variable and the **variable** is a place where we store all informations in the form of int,string,etc..

3. Describe three different data types.

* Integer
* String
* List

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

An **expression** is a combination of values, variables, operators, and calls to functions. If we print the expression the interpreter **evaluates** the expression and displays the result.

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

An **expression** is a combination of values, variables, operators, and calls to functions and **Statements** represent an action or command which is just a standalone unit of execution and doesn't return anything.

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

bacon = 22

bacon + 1

output :- 23

7. What should the values of the following two terms be?

'spam' + 'spamspam' output:- 'spamspamspam'

'spam' \* 3 output:- 'spamspamspam'

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

The variable names cannot begin with 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.'

This expression cause an error because 99 is an interger and only strings can be concatenated to other string with + operator. We can change the integer to string to execute the expression correctly.

The correct expression is 'I have eaten ' +str( 99) + ' burritos.'