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.

*   Ans-Expression

'hello' Ans - Value

-87.8   Ans - Value

-    Ans-Expression

/ Ans-Expression

    +   Ans-Expression

6 Ans - Value

2. What is the difference between string and variable?

String is a type of value which we store in variable

3. Describe three different data types.

String, Float, Integer

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

Expressions are combination of operators and operands. Expressions are interpreted to produce some other value.

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

Statement is combination of expression and value. Expressions provide meaning to the statement with respect to the value. Here, This ' spam = 10 ' is statement and '= ' is expression.

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

bacon = 22

bacon + 1

Bacon = 23   result After this above 2 steps'

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?

A variable name can start with _ and alphabet but cannot start with numeric value.

Therefore, eggs is a valid variable name while 100 is invalid.

9. What three functions can be used to get the integer, floating-point number, or string version of a value?

Int(value)

Float(value)

Str(value)

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

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

In this way, we can concate 3 strings but not combination of integer and string

'I have eaten ' , 99 , ' burritos.' – In this way we can concate string and integer.