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 data, whereas variable are which we can store any type of data in them.

3. Describe three different data types.

Following are three different data types:

1) Integer – Whole numbers

2) Character – Encoding text numerically

3) String - Alphanumeric

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

Expression is made up of operator and operands. Expression produce value by combining values and operators.

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

Expression evaluates the given value whereas, statement is just an instruction given and don’t return anything.

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

Both will have same value - 'spamspamspam'

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

Because we cannot make values as variable name.

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.'

Because we cannot concatenate string to integer.