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'

-87.8

- expression

/ expression

* expression

6

2. What is the difference between string and variable?

String stores characters

Variable is store of information,string is a type of variable.

3. Describe three different data types.

a.Integer b.Float c.String

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

Expression is made up of mathematical operators. expression signify a mathematical opearation

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

Expression signifies a mathematical operation with value while assignment statements is an action or order assigning values.

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

bacon = 22

bacon + 1

22

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

'spam' + 'spamspam'

O/p=‘spamspamspam’

'spam' \* 3

O/p=‘spamspamspam’

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

100 represents constant value 100 while eggs can be assigned any value.

Example: eggs=''

type(eggs)

str

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

int(), float(), and str() respectively

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

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

We can only concatenate string to string.99 is an integer value.

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