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

1. What is the difference between string and variable?

=> String is a value of characters while variable is a thing who stores the value.

1. Describe three different data types.

=> str

=> int

=> bool

=> float

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

=> expression are made up with numbers and mathematical operators. All expressions are reached at a result using rule of mathematical operator.

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

=> expressions are leads to a result while statements are do something but not leads to a result.

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'

'spam' \* 3

=> 1) ‘spamspamspam’

1. ‘spamspamspam’
2. Why is eggs a valid variable name while 100 is invalid?

=> Variables name are start with a alphabet or particular characters. So, eggs is a valid variable name while 100 is not.

1. 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.'

=> different datatype values cannot add.