

In [1]: #1. In the below elements which of them are values or an expression? eg:- values co

In [3]: #'hello',-87.8,6 are values thus they are in integer and strings and *,-,+/, are ex

In [4]: #2. What is the difference between string and variable?

In [6]: #String is defined as the sequence of characters enclosed by single quote or double
#Variables are used to store values.

In [7]: #3. Describe three different data types.

In [8]: #The three different data types are:int,list,tuple
#int:It is just a normal number
#ex: a=8
#list: Lists are used to store multiple items in a single variable.It uses [].It is
#ex: list1=[1,2,3,4,5]
#tuple: Tuples are used to store multiple items in a single variable.It uses (),It

In [9]: #4. What is an expression made up of? What do all expressions do?

In [10]: #An expression is a combination of values, variables, operators, and calls to func
#Expressions are representations of value.

In [11]: #5.This assignment statements, like spam = 10. What is the difference between an ex

In [12]: #A statement in Python is used for creating variables or for displaying values. The

In [14]: #6. After running the following code, what does the variable bacon contain?
bacon = 22
#bacon + 1

In [17]: #The variable bacon contains an integer value.
type(bacon)
#simply giving '+' sign to bacon it cannot we have to assign it like bacon +=1.

Out[17]: int

In [18]: #7. What should the values of the following two terms be?
#'spam' + 'spamspam'
#'spam' *3

In [19]: #First one is doing concating two strings using '+' operator.
#Second one is doing replicating using '*' operator.

In [21]: print('spam' + 'spamspam')
print('spam' *3)

spamspamspam
spamspamspam

In [22]: #8.Why is eggs a valid variable name while 100 is invalid?

In [23]: #eggs is a valid variable because,a variable can be start with a letter.
#100 is invalid variable because,a variable cannot be start with an number.

In [24]: *#9. What three functions can be used to get the integer, floating-point number, or string value of an object?*

In [25]: *#The int(), float(), and str() functions will evaluate to the integer, floating-point, or string value of an object.*

In [26]: *#10. Why does this expression cause an error? How can you fix it?*
#'I have eaten' + 99 + 'burritos'.

In [28]: *#This causes an error because a string cannot be concatenated with a number. We can fix it by converting the number to a string.*
`print('I have eaten' + '99' + 'burritos')`

I have eaten99burritos

In []: