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Lecis

Identify Operators in Python

· Compare the objects to check if both the objects are actually same objects and share same memory location eg: - any real life example

lython is purely Object based larguage, so everything in Python is an object be every object is stored at a memory location. Bo each object is howing its own unique i'd.

To find id of anobject syntax 101-(object_hame)

So it will return memory address of the object which have been passed as an argument.

egi- a= 10 point (id(10)) = So it wall setur address point (id(10))

both lines will pront same address means id for both ('a')
and "10" is same. Why so?

The Point L Reason: - Memory Manager in Bython reuses the objects instead of creeking another object for the same data (same cliff type)

So identity operators compares these unique ids of we can say compare objects based on unique ids, Types of Identity operators - a types "(18") " is not" is opentors-returns true if both variebles are some object veturitive if both operands have the same unique id (points to the same memory location) otherwise it returns false a = 10->point (a is b) = returns True ->point (a is not b) => fake a=10 2 a=10 point (a is b) = retuins false. 3 a = 10 -> print (a is b) = return False -> print (a is not b) = true a = 10 b = (10) exercise 3 a = 103371 900342800 point (Id (a) 0/P=? 9= 9 print (id(9) → 2371900342168

point (a is a) - toye How?

is not: - works in reverse manner setur free if memory location of two objects are not return false if memory loution of two objects are some. Note: - Identity Operator is not equality operator equality operator (==) checks for equality means if volues are quel or not e.g '- a = 5 point (a == b) =) touc box it wall compare the volues of a & b. value of a is 5 & value of bis also 5. So it gives But Identity Operator checks identity means it is going to check if the values are some in terms of being some object in objects. If memory location of both objects are some means both objects are equel, point (a is b) - touce but it wall not check the values of a & b. It checks the memory noldress of a & b 1) banana shake = = Mango Skake) false 1 bangra shake = = banana shake tove behave shake is barena shake filse) booz objects are

But if we shall some glass of shake then

(4) borrows shake is borrows shake - toue

(5) borrows shake == borrows shake - toue

example:- a = 5 b = 5 b = 1d(b) pmnf(a is b)