

find outputs

print({10, 20} | {30, 20}) # {10, 20, 30}

print({10: 'Hyd', 20: 'sec'} | {30: 'cyb', 20: 'vja'})
(python 3.9+): {10: 'Hyd', 20: 'vja', 30: 'cyb'}
Raises TypeError in python versions < 3.9

print(range(4) | range(5)) # ~~error~~ {0, 1, 2, 3, 4}

print([10, 20] | [30, 20]) # ~~error~~ {10, 20, 30}

Assignment operators demo program.

a = 25

print(a) # 25

b = a

print(b) # 25

print(a is b) # True

x = 4

y = 5

z = x + y * 6

print(z) # 34

25 = a # Error

a + b = x + y

Find Outputs (Home work)

a = b = c = 25

print(id(a)) # Integer

print(id(b)) # same as id(a)

print(id(c)) # same as id(a)

print(a, b, c) # 25 25 25

Multiple Assignment (Home work)

x, y, z = 25, 10.8, 'Hyd'

print(x) # integer - 25

print(y) # float - 10.8

print(z) # string - Hyd

Find Outputs (Home work)

a, b, c = 3, 4, 5

a * b + c # (b + c = 4 + 5 = 9). $a * 9$, $a = 3 * 9 = 27$

print(a) # 27

Find Outputs (Home work)

a = 20

$a \% = 3 + 4 * 4$ # $a \% 11 \rightarrow a = a \% 11$

$a = 20 \% 11 = 9$

print(a) # 9

Find Outputs

a = 3

$a^{**} = 4$ # $a = 3^{**} 4 = 81$

print(a) # 81

Identity operators demo program

a = 25

b = 25

print(a is b) # True

print(a is not b) # False

print(a == b) # True

H.T. No.

Find outputs (Home work)

a = 25 # integer

b = 25.0 # float

Print(a is b) # False

Print(a is not b) # True

Print(a == b) # True

Find outputs

a = 'Hyd'

b = 'Hyd'

Print(a is b) # True

Print(a is not b) # False

Print(a == b) # True

Print()

x = [1, 2, 3, 4]

y = [1, 2, 3, 4]

Print(x is y) # False

Print(x is not y) # True

Print(x == y) # True

Print()

m =

n =

Print(m is n) # False

Print(m is not n) # True

Print(m == n) # True

membership

list = [10, 20, 15, 12, 18] Operators demo program Date

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print(15 in list)      # True
print(19 in list)      # False
print(14 not in list)      # True
print(15 not in list)      # False
print('is' in s)      # True
print('was' in s)      # False
print('g' in s)      # True
print('z' in s)      # False
print(' ' in s)      # True
print('gre' in s)      # True
print('y a ?' in s)      # True
print(' ' in s)      # True
print(' ' not in s)      # False

```

find outputs.

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x = [1, 2, 3, 4]
y = [1, 2, 4, 3]
print(x == y)      # False

a = (4, 1, 3, 2)
b = (4, 2, 3, 1)
print(a == b)      # False

p = {1, 2, 3, 4}
q = {4, 1, 3, 2}
print(p == q)      # True

```

m = range(5) # 0, 1, 2, 3, 4.

n = range(5) # 0, 1, 2, 3, 4 (same).

Print(m == n) # True

find outputs (Home work)

a = [10, 20, 30]

b = (10, 20, 30)

Print(a is b) # False

Print(a == b) # False