

find outputs

22/7/25

point ({10,20}, {30,20}) # {10,20,30}

point ({10:'Hyd', 20:'sec'}, {30:'cyb', 20:'Vid'})
{10:'Hyd', 20:'Vid', 30:'cyb'}

point (range(4) | range(5)) # E8808

point ([10,20] | [30,20]) # E8808

Assignment operators demo program (Homework)

a=25

point(a) # 25

b=a

point(b) # 25

point(a is b) # True Reference to same object 25

x=4

y=5

z=x+y*6

point(z) # 34 → = 4 + 5 * 6
= 9 * 6 = 34

25=a # E8808

a+b=x+y # E8808

Find outputs (Home work)

$$a = b = c = 25$$

point(id(a)) # 140322125755848

point(id(b)) # 140322125755848

point(id(c)) # 140322125755848

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

Multiple Assignment (Home work)

$$x, y, z = 25, 10.8, \text{Hyd}$$

point(x) # 25

point(y) # 10.8

point(z) # Hyd

Find outputs (Home work)

$$a, b, c = 3, 4, 5$$

$$a^* = b + c$$

point(a) # 87 $\rightarrow a^* = 4 + 5$
 $a^* = 9 \rightarrow a = a^* \cdot 9 = 3 \cdot 9 = 81$

Find outputs (Home work)

$$a = 20$$

$$a \% = 3 + 2 * 4$$

point(a) # 9 $\rightarrow a \% = 3 + 8$

$$\begin{aligned} a \% &= 11 \rightarrow a = a \% / 11 \\ &= 20 \% / 11 \\ &= 9 \end{aligned}$$

Find outputs (Home WORK)

a=3

a**=4

print(a) # 81

Identify operators demo Program

a=25

b=25

print(a is b) # true

print(a is not b) # false

print(a==b) # true

Find outputs (HOME WORK)

a=25

b=25.0

print(a is b) # false

print(a is not b) # true

print(a==b) # true

Find outputs (HOME WORK)

a='Hyd')

b='Hyd')

print(a is b) # true

print(a is not b) # false

print(a==b) # true

print() print nothing

$x = [1, 2, 3, 4]$

$y = [1, 2, 3, 4]$

print(x is y) # False

print(x is not y) # True

print(x == y) # True

print()

$m = (1, 2, 3, 4)$

$n = (1, 2, 3, 4)$

print(m is n) # True

print(m is not n) # False

print(m == n) # True

print(x == m) # False list and tuple

Membership operators demo program (Homework)

$list = [10, 20, 15, 12, 18]$

print(15 in list) # True

print(19 in list) # False

print(14 not in list) # True

print(15 not in list) # False

s = 'Hyd' is green city

print('is' in s) # True

print('was' in s) # False

print('g' in s) # True

point('z' in s) # False

point('c' in s) # True

point('ge' in s) # True

point('ydi' in s) # True

point('l' in s) # True

point('not' in s) # False

Find outputs (Home work)

x = [1, 2, 3, 4]

y = [1, 2, 4, 3]

point(x == y) # False

a = (4, 1, 3, 2)

b = (4, 2, 3, 1)

point(a == b) # False

p = {1, 2, 3, 4}

q = {4, 1, 3, 2}

point(p == q) # True

m = range(5)

n = range(5)

point(m == n) # True

Find outputs (Home work)

a = [10, 20, 30]

b = [10, 20, 30]

point(a is b) # False

point(a == b) # False