# Find outputs

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

print({10 : 'Hyd' , 20 : 'Sec'} | {30 : 'Cyb' , 20 : 'Vja'})

print(range(4) | range(5)) : error

print([10 , 20]  |  [30 , 20]) : error

# Assignment operators demo program (Home work)

a = 25

print(a)🡪 25

b = a

print(b) 🡪 25

print(a is b) : yes // true

x = 4

y = 5

z = x + y \* 6

print(z) 🡪 4+30 =34

25 = a

a + b = x + y :

# Find outputs (Home work)

a = b = c = 25

print(id(a)) :

print(id(b)) :

print(id(c)) :

print(a , b , c)

# Find outputs (Home work)

a , b , c = 3 , 4 , 5

a \*= b + c

print(a) : 3(4+5)=27

# Find outputs (Home work)

a = 20

a %= 3 + 2 \* 4

print(a) : 9

# Find outputs (Home work)

a = 3

a \*\*= 4

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

# Find outputs (Home work)

a = 25

b = 25.0

print(a is b) : falsr

print(a is not b) : ys/ true

print(a == b) : true

# Find outputs (Home work)

a = 'Hyd'

b = 'Hyd'

print(a is b) : yes / true

print(a is not b) : false

print(a == b) : yes / 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 = (1 , 2 , 3 , 4)

n = (1 , 2 , 3 , 4)

print(m is n) : true

print(m is not n) : fasle

print(m == n) : true

print(x == m) : false

# Membership operators demo program (Home work)

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

print(15 in list) : true

print(19 in list) : true

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) : true

print('g' in s) : true

print('z' in s) : false

print(' ' in s) : true

print('gre' in s) : true

print('yd i' in s) :ttrue

print('' in s) “ true

print('' not in s) :falsee

# Find outputs (Home work)

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)

n = range(5)

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