# How to print dictionary in different ways

a = {10 : 'Ramesh' , 20 : 'Kiran' , 15 : 'Amar' , 18 : 'Sita'}

print('Dictionary with print function')

* Print(a)

How to print dictionary with print() function

print('Keys of dictionary')

How to print each key of dict

* for key in a.keys():
* print(key)

print('Values of dictionary')

* for value in a.values():
* print(value)

How to print each value of dict 'a'

print('All the tuples of dict\_items object')

* print(a.items())

How to print each tuple of the list in dict\_items object

* for item in a.items():
* print("Key:", item[0], "Value:", item[1])

print('Elements of each tuple')

* for tuple\_item in a.items():

    print(tuple\_item)

How to print elements of each tuple in the list of dict\_items object

print('Keys and values of dictionary')

* for key in a:
* print("Key:", key, "Value:", a[key])

How to print each key and corresponding value  in  dict  'a'

# Find outputs (Home work)

a = { print('Hyd') , print('Sec') , print('Cyb') }

print(type(a))

* <class ‘set’ >

print(a)

* a = { print('Hyd') , print('Sec') , print('Cyb') }

print(len(a)) : 3

# Find outputs

a = 25

print(id(a)) : 140711716527288

a = 35

print(id(a)) : 140711716527608

# Find outputs (Home work)

a = 25.7

print(id(a)) : 2201938275440

print(a) 🡪 25.7

a = 35.6

print(id(a)): 1648192685360

print(a) : 35.6

b = True

print(id(b)) : 140711728316048

b = False

print(id(b)) : 140711728316080

c = None

print(id(c)) : 140711728316112

# Find outputs (Home work)

a = 'Hyd'

print(id(a))

a[1] = 'e'

a = 'Sec'

print(id(a))

b = (10 , 20 , 15 , 18)

print(id(b)) : 1763652405344

b[2] = 19

b = (30 , 40 , 35 , 32)

print(id(b))

c = range(5)

print(id(c))

c[3] = 10

c = range(5)

print(id(c))

#Find outputs(Home work)

a = [10 , 20 , 15 , 18]

b = [10 , 20 , 15 , 18]

print(a is b) : 0 or false

c = {10 : 20, 30 : 40}

d = {10 : 20, 30 : 40}

print(c is d) : o or false

e = (10 , 20 , 15 , 18)

f = (10 , 20 , 15 , 18)

print(e is f) : it’s a tuple allow multi objects , true

g = {10 , 20 , 15 , 18}

h = {10 , 20 , 15 , 18}

print(g  is  h) : false

# Find outputs (Home work)

print(10 + 20) : 30

print(10.8 + 20.6) : 31.4

print(3 + 4j + 5 + 6j) : 8+ 10j

print(True + False) : 1+0 =1

print('Hyder' + 'abad') : ‘Hyderabad ‘

print('Sankar' + 'Dayal' + 'Sarma') : ‘sankarDayalsarma

print('10' + '20') : 10 20

print([10 , 20 , 30] + [1 , 2 , 3]) : [ 1, 2,3, 10, 20, 30 ]

print((25 , 10.8 , 'Hyd') + (3 + 4j , True , None)) : (25 , 10.8 , 'Hyd' , 3 + 4j , True , None)

print({10 , 20} + {30 , 40}) : {} error

print({10 : 'Hyd'} + {20 : 'Sec'}) : error

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

print(10 + '20') : error

print([10 , 20 , 30] + 5) :error

print([10 , 20 , 30] + (40 , 50 , 60)) : error

# Find outputs (Home work)

print(25 \* 3) 🡪 75

print(10.8 \* 25.6) 🡪 276.48

print(True \* False) : false

print((3 + 4j) \* (5 + 6j)) : 38j+24j\*j+15 = 15-24 + 38j 🡪 38j+9

print(3 + 4j \* 5 + 6j) 🡪 3+26j

print('25' \* 3) 🡪 25 25 25

print(3 \* '25') 🡪 252525

print('Hyd' \* 4) 🡪 ‘HydHydHydHyd’

print([10 , 20 , 15] \* 2) 🡪 [10 , 20 , 15, 10 , 20 , 15]

print((25, 10.8, 'Hyd', True) \* 3) : (25, 10.8, 'Hyd', True , 25, 10.8, 'Hyd', True , 25, 10.8, 'Hyd', True)

print([10 , 20 , 15] \* 3.0) : error

print({10 , 20 , 15} \* 2)”error

print({10 : 20 , 30 : 40} \* 2) : not multiply

print([10] \* [20]) : errorr

# / operator demo program

print(9.0 / 2) : 4.5

print(9 / 2.0) : 4.5

print(9.0 / 2.0) :4.5

print(9 / 2) : 4.5

print(10.5 / 2) : 5.25

print(10 / 3) :3.3333\_

print(10 / 2) : 5.0 or 5

# // operator demo program

print(9 // 2) # prev integer of (4.5) = 4

print(9.0 // 2) : 4

print(9 // 2.0) :4

print(9.0 // 2.0) :4

print(10.5 // 2) : 5

print(10 // 3) : 3

print(10.0 // 3) # prev integer of 3.33 = 3.0

print(8.5 // 3)

print(18 // 4) : 4

print(-18 // 4) : -4

print(-(18 // 4)) : -4

# % operator demo program

print(9 % 5) : 4

print(9.0 % 5) :4.0

print(9 % 5.0) : 4.0

print(9.0 % 5.0) : 4 .0

print(10.5 % 2) # 0.5

print(8.9 % 3) : 2.9

# Find outputs

print(7 / 0) :0

print(7 // 0) : 0

print(7 % 0) : 0

# \*\* operator demo program

print(3 \*\* 4) : 81

print(10 \*\* -2) : 0.01

print(4 \*\* 3 \*\* 2) : 4\*\*9= 262144

print(3 + 4 \* 5 - 32 / 2 \*\* 3) : 23-4 =19

# Find outputs (Home work)

print('Rama' > 'Rajesh') # True : 'm' > 'j' : true

print('Rama' < 'Sita') # True : 'R' < 'S' : true

print('Hyd' == 'Hyd') : true

print('Rama' <= 'Ramana') :true

print('Rama Rao' >= 'Rama') : true

print('Hyd' != 'Sec') : true

print('HYD' < 'hyd') : true

# Chaining relational opeartors (Home work)

print(10 < 20 < 30) # True

print(10 >= 20 < 30) # False : 10 is not >= 20

print(10 < 20 > 30) : false

print(1 < 2 < 3 < 4) : true

print(1 < 2 > 3 > 1) : false

print(4 > 3 >= 3 > 2): true

# or operator demo program

print(True or False) # True

print(False or True) # True

print(True or True) # True

print(False or False) # False

print(10 or 20)# 10

print(0 or 20) # 20

print(-25 or 0) : -25

print('' or 35) : 35

print(6j or 'Hyd') : 6j

print(0.0 or 3 + 4j) : 3+4j

print('Hyd' or 10.8) : ‘hyd’

# not operator demo program

print(not True) # False

print(not False) # True

print(not 25) : false

print(not 0) : true

print(not 'Hyd') : false

print(not '') : true

print(not -10) : false

print(not not 'Hyd') : true

# Find outputs (Home work)

i = 10

i = not i > 14

print(i) 🡪 true

print(not(6 < 4 or 9 >= 5  and  6 != 6)) : true // not false ==true