**17:**

import operator

d = {1: 2, 3: 4, 4: 3, 2: 1, 0: 0}

print('Original dictionary : ',d)

sorted\_d = sorted(d.items(),

key=operator.itemgetter(1))

print('Dictionary in ascending order by value ',sorted\_d)

sorted\_d = dict( sorted(d.items(), key=operator.itemgetter(1),reverse=True))

print('Dictionary in descending order by value : ',sorted\_d)

**OUTPUT:**

Original dictionary : {1: 2, 3: 4, 4: 3, 2: 1, 0: 0}

Dictionary in ascending order by value [(0, 0), (2, 1), (1, 2), (4, 3), (3, 4)]

Dictionary in descending order by value : {3: 4, 4: 3, 1: 2, 2: 1, 0: 0}

**18:**

d1={"a":100,"b":200}

d2={"c":400,"d":300}

print("dictionary 1=",d1);

print("dictionary 2=",d2);

d=d1.copy()

d.update(d2)

print("merged dictionary:",d)

**OUTPUT:**

dictionary 1= {'a': 100, 'b': 200}

dictionary 2= {'c': 400, 'd': 300}

merged dictionary: {'a': 100, 'b': 200, 'c': 400, 'd': 300}