Python programming basic assignment 12:

Q1) dict1 = {'vinay':[1,2,3,4], 'python':[5,6,7,8], 'data':[1,3,5,7]}

list1 = []

for i in dict1:

for j in dict1[i]:

list1.append(j)

list2 = []

for k in list1:

if k not in list2:

list2.append(k)

print(list2)

Q2) dict1 = {9:[1,2,3,4], 8:[5,6,7,8], 7:[1,3,5,7]}

list1 = []

for i in dict1:

list1.append(i)

for j in dict1[i]:

list1.append(j)

l = 0

for k in list1:

l = l + int(k)

print(l)

Q3) dict1 = {'vinay':[1,2,3,4], 'python':[5,6,7,8], 'data':[1,3,5,7]}

dict2 = {9:[1,2,3,4], 8:[5,6,7,8], 7:[1,3,5,7]}

dict2.update(dict1)

print(dict2)

Q4) from itertools import product

dict1 = {'vinay':['assignment','internship','lectures'], 'python': [284,'6 months','1100 hours']}

res = dict(zip(dict1['vinay'], dict1['python']))

print(str(res))

Q5) from collections import OrderedDict

dict1 = OrderedDict([('vinay','assignment'),('internship','lectures'), ('python','284'),('6 months','1100 hours')])

dict1.update({'why':'this trouble'})

dict1.move\_to\_end('why', last=False)

print(dict1)

Q6) string = "vinay python"

pattern1 = "vp"

pattern2 = "py"

dict2 = OrderedDict.fromkeys(string)

a = 0

def checkorder(string, pattern):

dict2 = OrderedDict.fromkeys(string)

a = 0

for key,value in dict2.items():

if (key == pattern[a]):

a = a + 1

if (a == (len(pattern))):

return True

return False

print(checkorder(string, pattern1))

print(checkorder(string, pattern2))

Q7) dict3 = {}

dict3['1'] = 1

dict3['3'] = 3

dict3['2'] = 2

dict3['5'] = 5

dict3['4'] = 4

for i in sorted (dict3.keys()) :

print(i, end = " ")

for i in sorted (dict3.values()) :

print(i, end = " ")