Python programming basic assignment 22:

Q1) def l\_op(x,y,n):

listo = []

for i in range(x,y+1):

if i%n == 0:

listo.append(i)

return listo

print(l\_op(1,10,3))

print(l\_op(7,9,2))

print(l\_op(15,20,7))

Q2) def s\_s(list1,list2):

r = 0

l = len(list1)

for i in range(0,l-1):

k = len(list2)

for j in range(1, k):

if list1[i] == list2[j]:

r = r + 1

if r == len(list1) - 1:

return True

else:

return False

print(s\_s([1,2],[5,1]))

print(s\_s([1,2],[5,5]))

print(s\_s([1,2,3,4,5],[0,1,2,3,4]))

print(s\_s([1,2,3,4,5],[5,5,1,2,3]))

Q3) def soc\_nm(list):

list.sort()

str = ""

for i in range(len(list)):

j = list[i]

list2 = []

for k in j:

list2.append(k)

str = str + list2[0]

return str

print(soc\_nm(["Adam","Sarah","Malcolm"]))

print(soc\_nm(["Harry","Newt","Luna","Cho"]))

print(soc\_nm([“Phoebe","Chandler","Rachel","

Ross”,"Monica","Joey"]))

Q4) def isogram(string):

string2 = string.lower()

list = []

for i in string2:

if i in list:

return False

list.append(i)

return True

print(isogram("Algorism"))

print(isogram("PasSword"))

print(isogram(“Consecutive"))

Q5) def in\_order(str1):

sortedstr1 = ''.join(sorted(str1))

if str1 == str(sortedstr1):

return True

else:

return False

print(in\_order("abc"))

print(in\_order("edabit"))

print(in\_order("123"))

print(in\_order(“xyz"))