Python programming basic assignment 8:

Q1) print("enter n lists of n elements each for matrix 1 ")

list1 = input()

print("enter n lists of n elements each for matrix 2 ")

list2 = input()

n = int(len(list1))

add = [[0,0,0], [0,0,0], [0,0,0]]

for i in range(0,n):

for j in range(0,n):

add[i][j] = list1[i][j] + list2[i][j]

print(add)

Q2) print("enter n lists of n elements each for matrix 1 ")

list1 = input()

print("enter n lists of n elements each for matrix 2 ")

list2 = input()

n = int(len(list1))

multiply = [[0,0,0], [0,0,0], [0,0,0]]

for i in range(0,n):

for j in range(0,n):

for k in range(0,n):

multiply[i][j] += list1[i][k] \* list2[k][j]

print(multiply)

Q3) print("enter n lists of n elements each for matrix 1 ")

list1 = input()

n = int(len(list1))

for i in range(n):

for j in range(n):

list2[i][j] = list1[j][i]

print(list2)

Q4) a = input("enter your text ")

b = a.split(" ")

for i in range(len(b)):

b[i] = b[i].lower()

a = sorted(b)

print(' ‘.join(a))

Q5) a = input("enter your text ")

p = '''!@#$%^&\*()[]{}:;"<>',./?\|'''

for i in a.lower():

if i in p:

a = a.replace(i, " ")

print(a)