def DisplayQ():

for counter in range(limit + 1):

if counter != 0:

print(counter, nameQ[counter], end=' ')

if counter == rear:

print('rear', end=' ')

if counter == front:

print('front', end=' ')

print()

def DisplayMenu():

print('1. Add to Queue (enQueue)')

print('2. Remove from Queue (deQueue)')

print('3. Display Queue contents')

print('4. Exit')

def enQueue():

global size, rear

# Insert code here

def deQueue():

global size, front

# Insert code here

Choice = 1

limit = 20

front = 1

rear = 0

size = 0

nameQ = [""]

for counter in range(limit):

nameQ.append("")

while Choice != 4:

DisplayMenu()

Choice = int(input("Enter Choice: "))

if Choice == 1:

enQueue()

if Choice == 2:

deQueue()

if Choice == 3:

DisplayQ()