Nabiha Bashir

018348835

Lab Assignment #7

Due: 03/01/19

CODE:

#import randint function from random library

from random import randint

#Create empty list 'list\_nums'

list\_nums = []

#Assisgn a variable to total sum

total\_sum = 0

#Use for loops to add 10 random numbers to list 'list\_nums'

print("Random numbers generated:")

for i in range (10):

x = randint(1, 26)

list\_nums.append(x)

print(x, end=' ')

#Display the random generated list

print("\nList of random numbers generated:", list\_nums)

#Use for loops to calculate sum of the list

for i in list\_nums:

total\_sum += i

#Display total sum

print("Total Sum:", total\_sum)

#Use for loop to identify unique numbers in list and remove them

for x in set(list\_nums):

list\_nums.remove(x)

duplicates = list(set(list\_nums))

#Display the duplicates

print("Duplicates in list: ", duplicates)

OUTPUT:

Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:06:47) [MSC v.1914 32 bit (Intel)] on win32

Type "copyright", "credits" or "license()" for more information.

>>>

========= RESTART: C:/Users/Nabiha/Documents/CECS 174/Labs/Lab 7.py =========

Random numbers generated:

8 11 23 14 25 19 5 6 8 1

List of random numbers generated: [8, 11, 23, 14, 25, 19, 5, 6, 8, 1]

Total Sum: 120

Duplicates in list: [8]