Python programming basic assignment:

Q1) list = []

a = int(input("Enter number of elements: "))

for i in range(0, a):

element = int(input())

list.append(element)

sum = 0

for i in range(len(list)):

sum = sum + int(list[i])

print(sum)

Q2) list = []

a = int(input("Enter number of elements: "))

for i in range(0, a):

element = int(input())

list.append(element)

multiply = 1

for i in range(len(list)):

multiply = multiply \* int(list[i])

print(multiply)

Q3) list = []

a = int(input("Enter number of elements: "))

for i in range(0, a):

element = int(input())

list.append(element)

b = len(list)

smallest = list[0]

for i in range(1, b):

if smallest > int(list[i]):

smallest = list[i]

print(smallest)

Q4) list = []

a = int(input("Enter number of elements: "))

for i in range(0, a):

element = int(input())

list.append(element)

b = len(list)

largest = list[0]

for i in range(1, b):

if largest < int(list[i]):

largest = list[i]

print(largest)

Q5) list = []

a = int(input("Enter number of elements: "))

for i in range(0, a):

element = int(input())

list.append(element)

b = len(list)

v = 0

largest = list[0]

for i in range(1, b):

if largest < int(list[i]):

largest = list[i]

v = i

list.pop(v)

largest = list[0]

for i in range(1, b - 1):

if largest < int(list[i]):

largest = list[i]

print(largest)

Q6) list = []

a = int(input("Enter number of elements: "))

for i in range(0, a):

element = int(input())

list.append(element)

n = int(input("how many large numbers you need "))

for k in range(1,n+1):

b = len(list)

v = 0

largest = list[0]

for i in range(1, b):

if largest < int(list[i]):

largest = list[i]

v = i

print(largest)

list.pop(v)

Q7) list = []

a = int(input("Enter number of elements: "))

for i in range(0, a):

element = int(input())

list.append(element)

for k in range(len(list)):

if int(list[k])%2 == 0:

print(list[k])

Q8) list = []

a = int(input("Enter number of elements: "))

for i in range(0, a):

element = int(input())

list.append(element)

for k in range(len(list)):

if int(list[k])%2 != 0:

print(list[k])

Q9) list1 = [1, 2, 3, [], 8, [], 9, [], 7]

for i in list1:

if i == []:

list1.remove(i)

print(list1)

Q10) list1 = [1, 2, 3, [], 8, [], 9, [], 7]

list2 = []

for i in list1:

list2.append(i)

print(list2)

Q11) list1 = [1, 2, 3, [], 8, [], 9, [], 7]

v = 0

for i in list1:

if i == []:

v = v + 1

print(v)