**2nd Assignment:**

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Lottery System In Python

Write a Python program to:

1. Generate a list of 15 random numbers
2. Divide the list into 3 separate lists, each containing 5 elements.
3. Calculate the sum of elements in each of the three lists.
4. Display which list has the greatest sum along with its sum.

**Code:**

import random

main\_list = []

for i in range(1, 16):

    main\_list.append(random.randint(1, 100))

list\_1 = main\_list[0:5]

list\_2 = main\_list[5:10]

list\_3 = main\_list[10:15]

list\_1\_sum = sum(list\_1)

list\_2\_sum = sum(list\_2)

list\_3\_sum = sum(list\_3)

print("Main list =", main\_list)

print("List 1 =", list\_1, "Sum =", list\_1\_sum)

print("List 2 =", list\_2, "Sum =", list\_2\_sum)

print("List 3 =", list\_3, "Sum =", list\_3\_sum)

highest = max(list\_1\_sum, list\_2\_sum, list\_3\_sum)

print("Highest =", highest)

if (highest == list\_1\_sum):

    print("List 1 has the highest sum")

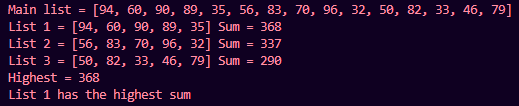
elif (highest == list\_2\_sum):

    print("List 2 has the highest sum")

else:

    print("List 3 has the highest sum")

**OUTPUT**:



**GitHub Link:**   
https://github.com/SushanThakur/2nd-sem-assignment.git