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**Sub- PPS**

**Experiment No -8**

#Partition a list in to even and odd sub-list

def even\_odd(numbers):

even = []

odd = []

for num in numbers:

if num % 2 == 0:

even.append(num)

else:

odd.append(num)

return even, odd

n = int(input("Enter the number of integers: "))

numbers = []

for i in range(n):

num = int(input("Enter an integer: "))

numbers.append(num)

even\_list, odd\_list = even\_odd(numbers)

print("Your List:", numbers)

print("Even numbers:", even\_list)

print("Odd numbers:", odd\_list)

