1. Write a Python program to find sum of elements in list?

def sum\_of\_elements(lst):

total = sum(lst)

return total

my\_list = [1, 2, 3, 4, 5]

print("Sum of elements in the list:", sum\_of\_elements(my\_list))

1. Write a Python program to Multiply all numbers in the list?

def multiply\_elements(lst):

result = 1

for num in lst:

result \*= num

return result

my\_list = [1, 2, 3, 4, 5]

print("Multiplication of elements in the list:", multiply\_elements(my\_list))

1. Write a Python program to find smallest number in a list?

min(lst)

1. Write a Python program to find largest number in a list?

max(lst)

1. Write a Python program to find second largest number in a list?

def find\_second\_largest(lst):

sorted\_list = sorted(set(lst), reverse=True)

if len(sorted\_list) > 1:

return sorted\_list[1]

else:

return None

my\_list = [10, 5, 2, 15, 7]

print("Second largest number in the list:", find\_second\_largest(my\_list))

1. Write a Python program to find N largest elements from a list?

def find\_n\_largest(lst, n):

return sorted(lst, reverse=True)[:n]

my\_list = [10, 5, 2, 15, 7]

n = 3

print(f"{n} largest elements in the list:", find\_n\_largest(my\_list, n))

1. Write a Python program to print even numbers in a list?

def even\_numbers(lst):

return [num for num in lst if num % 2 == 0]

my\_list = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]

print("Even numbers in the list:", even\_numbers(my\_list))

1. Write a Python program to print odd numbers in a List?

def odd\_numbers(lst):

return [num for num in lst if num % 2 != 0]

my\_list = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]

print("Odd numbers in the list:", odd\_numbers(my\_list))

1. Write a Python program to Remove empty List from List?

def remove\_empty\_lists(lst):

return [sublist for sublist in lst if sublist]

my\_list = [1, [], 2, [], 3, [4], [], [5, 6], [], []]

print("List after removing empty lists:", remove\_empty\_lists(my\_list))

1. Write a Python program to Cloning or Copying a list?

def clone\_list(lst):

return lst.copy()

my\_list = [1, 2, 3, 4, 5]

cloned\_list = clone\_list(my\_list)

print("Cloned list:", cloned\_list)

1. Write a Python program to Count occurrences of an element in a list?

def count\_occurrences(lst, element):

return lst.count(element)

my\_list = [1, 2, 3, 2, 4, 2, 5]

element\_to\_find = 2

print(f"Occurrences of {element\_to\_find} in the list:", count\_occurrences(my\_list, element\_to\_find))