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

A. # define a function to find the sum of elements in a list

def sum\_list(lst):

return sum(lst)

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

A. # define a function to multiply all numbers in a list

def multiply\_list(lst):

result = 1

for num in lst:

result \*= num

return result

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

A. # define a function to find the smallest number in a list

def find\_smallest(lst):

smallest = lst[0]

for num in lst:

if num < smallest:

smallest = num

return smallest

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

A. # define a function to find the largest number in a list

def find\_largest(lst):

largest = lst[0]

for num in lst:

if num > largest:

largest = num

return largest

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

A. # define a function to find the second largest number in a list

def find\_second\_largest(lst):

largest = lst[0]

second\_largest = lst[0]

for num in lst:

if num > largest:

second\_largest = largest

largest = num

elif num > second\_largest and num != largest:

second\_largest = num

return second\_largest

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

A. # define a function to find the N largest elements in a list

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

lst.sort(reverse=True)

return lst[:n]

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

A. # define a function to print even numbers in a list

def print\_even\_numbers(lst):

for num in lst:

if num % 2 == 0:

print(num)

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

A. # define a function to print odd numbers in a list

def print\_odd\_numbers(lst):

for num in lst:

if num % 2 != 0:

print(num)

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

A. # define a function to remove empty lists from a list

def remove\_empty\_lists(lst):

return [x for x in lst if x]

# example usage

my\_list = [5, [], 8, [], 7, [], 2, []]

new\_list = remove\_empty\_lists(my\_list)

print(new\_list) # output: [5, 8, 7, 2]

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

A. # define a function to clone or copy a list

def clone\_list(lst):

return lst.copy()

# example usage

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

new\_list = clone\_list(my\_list)

print(new\_list) # output: [5, 3, 8, 1, 7, 10, 2]

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

A. # define a function to count occurrences of an element in a list

def count\_occurrences(lst, element):

return lst.count(element)

# example usage

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

count = count\_occurrences(my\_list, 3)

print(count)