Q1

def sum\_of\_elements(lst):

total = sum(lst)

return total

Q2

def multiAll(lst):

result = 1

for num in lst:

result \*= num

return result

Q3

def find\_smallest\_number(lst):

if not lst:

return None

smallest = lst[0]

for num in lst:

if num < smallest:

smallest = num

return smallest

Q4

def find\_largest\_number(lst):

if not lst:

return None

largest = lst[0]

for num in lst:

if num > largest:

largest = num

return largest

Q5

def find\_second\_largest\_number(lst):

if len(lst) < 2:

return None

largest = second\_largest = float('-inf')

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

Q6

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

if n <= 0:

return []

if n >= len(lst):

return sorted(lst, reverse=True)

largest\_elements = sorted(lst)[:n]

return largest\_elements

Q7

def print\_even\_numbers(lst):

for num in lst:

if num % 2 == 0:

print(num)

Q8

def print\_odd\_numbers(lst):

for num in lst:

if num % 2 != 0:

print(num)

Q9

def remove\_empty\_lists(lst):

return [sublist for sublist in lst if sublist]

Q10

def clone\_list(lst):

return lst.copy() # Using the copy() method

Q11

def count\_occurrences(lst, element):

return lst.count(element)