Week 3 :

Q1.

def smallest(lst):

if not lst: # Check if the list is empty

return None

return min(lst)

list1=[]

le=int(input("Enter nunber of elements you want to add: \n"))

for i in range(0,le):

a=int(input("enter element :\n"))

list1.append(a)

print(f"The smallest element is: ", smallest(list1))

Q2.

Def convert\_length(meters):

Feet = meters \* 3.28084

Return feet

Def convert\_weight(kilograms):

Pounds = kilograms \* 2.20462

Return pounds

Def convert\_temperature(celsius):

Fahrenheit = (celsius \* 9/5) + 32

Return fahrenheit

Print(“1000 meters is”, convert\_length(1000),” feet”)

Print(“68 kilograms is” ,convert\_weight(68), “pounds”)

Print(“50 Celsius is “,convert\_temperature(50), “Fahrenheit”)

Q3.

Catalog = {}

Def add\_book(book\_title):

Catalog[book\_title] = ‘available’

Print(f”’{book\_title}’ has been added to the catalog.”)

Def checkout\_book(book\_title):

If catalog.get(book\_title) == ‘available’:

Catalog[book\_title] = ‘checked out’

Print(f”You have checked out ‘{book\_title}’.”)

Elif catalog.get(book\_title) == ‘checked out’:

Print(f”’{book\_title}’ is already checked out.”)

Else:

Print(f”’{book\_title}’ is not in the catalog.”)

Def return\_book(book\_title):

If catalog.get(book\_title) == ‘checked out’:

Catalog[book\_title] = ‘available’

Print(f”’{book\_title}’ has been returned.”)

Else:

Print(f”’{book\_title}’ is either not checked out or not in the catalog.”)

Add\_book(“Indica”)

Checkout\_book(“The howlers”)

Return\_book(“The Great Gatsby”)