Program: weight and pounds

weight = input("Weight: ")  
choice = input("(L)bs or (K)g: ")  
if choice == 'L' or choice == 'l':  
 new\_weight = float(weight)/2.205  
 print(new\_weight)  
elif choice == 'K' or choice == 'k':  
 new\_weight = float(weight) \* 2.205  
 print(new\_weight)  
else:  
 print("Enter a valid option.")

Program: guessing game

secret\_number = 9  
guess\_count = 0  
guess\_limit = 3  
while guess\_count < guess\_limit:  
 guess = int(input("Guess: "))  
 guess\_count += 1  
 if guess == secret\_number:  
 print("You Won!!!!!!!!!")  
 break  
 else:  
 print("Try again.")  
else:  
 print("Sorry you lose.")

Program: Car game

first\_input = input(">")  
start = 1  
stop = 1  
while first\_input.lower() == "help":  
 print("""  
 start - to start the car  
 stop - to stop the car  
 quit - to exit""")  
 second\_input = input(">")  
 if second\_input.lower() == "start":  
 if start == 1:  
 print("Car started.....Ready to go!")  
 else:  
 print("Car already started")  
 start += start  
 stop = 1   
 elif second\_input.lower() == "stop":  
 if stop == 1:  
 print("Car stopped.")  
 else:  
 print("Car already stopped.")  
 stop += stop  
 start = 1  
 elif second\_input.lower() == "quit":  
 break  
 else:  
 print("I don't understand that....")  
else:  
 print("Please enter help next time! Thank you.")

Program: Total value

total = 0  
price\_list = [10,20,30,40,50]  
for item in price\_list:  
 total += item  
print(f'Total list value = {total}')

Program: Coordinates

for x in range(4):  
 for y in range(3):  
 print(f'({x},{y})')

Program: Print F

numbers = [5,2,5,2,2]  
for number in numbers:  
 output =''  
 for i in range(number):  
 output += 'x'  
 print(output)

Program: Greatest of list numbers

numbers = [12, 43, 56, 12, 88, 23, 24]  
max = 0  
for number in numbers:  
 if number >= max:  
 max = number  
 else:  
 max = max  
print(f'The maximum of the list is = {max}')

Program: Matrix in Python

matrix =[  
 [1,2,3],  
 [4,5,6],  
 [7,8,9]  
]  
for row in matrix:  
 for coloumn in row:  
 print(coloumn)

Program: Remove the duplicate data

numbers = [5,2,7,43,7,8,4,4,2,1,5]  
for number in numbers:  
 if numbers.count(number)>1:  
 numbers.remove(number)  
print(numbers)

Program: Tupil

coordinates = (1,2,3)  
x , y, z = coordinates  
print(x, y, z)

Program: Dictionaries

customer = {  
 "name": "John Smith",  
 "age": 30,  
 "is\_verified": True  
}  
print(customer.get("name"))

Program: Returning word for number

number\_word = {  
 "0": "Zero",  
 "1": "one",  
 "2": "Two",  
 "3": "Three",  
 "4": "Four",  
 "5": "Five",  
 "6": "Six",  
 "7": "Seven",  
 "8": "Eight",  
 "9": "Nine"  
}  
output =""  
phone = input("Phone: ")  
for i in phone:  
 output += number\_word.get(i,"!")  
print(output)