```
In [7]: total_carbon = 0
                               for city in climate_data :
                                            total_carbon += city["carbon_footprint"]
                               average_carbon_footprint = total_carbon /len(climate_data)
                               print(f"\ Average Carbon Footprint:{average_carbon_footprint:2f} kg CO2")
                               \ Average Carbon Footprint:420.000000 kg CO2
   In [8]: | sustainability_threshold =400
                               sustainable_cities = list(filter(lambda city: city["carbon_footprint"] <sustainable_cities = list(lambda city: city["carbon_footprint"] <sustainable_city["city["carbon_footprint"] <sustainable_city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city["city
                               print("\n sustainable cities(carbon footprint < 400 kg co2):")</pre>
                               for city in sustainable_cities:
                                            print(f"{city['city']}-{city['carbon_footprint']} kg co2")
                                 sustainable cities(carbon footprint < 400 kg co2):</pre>
                              City B-350 kg co2
                              City D-200 kg co2
print(f"\n city with the highest carbo footprint:")
                               print(f"{highest_footprint_city['city']}-{highest_footprint_city['carbon_foot|
```

city with the highest carbo footprint: City C-600 kg co2