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In [1]:
# Project 1 - Google Map: Query Google Maps to get a route between cities
import requests
import urllib.request
In [2]:
import json
In [3]:
url = 'https://maps.googleapis.com/maps/api/distancematrix/json?'
In [4]:
api key = 'AIzaSyCfO40aWo3cPPPaqRQojae66S5iMDEjq4o'
# https://console.cloud.google.com/apis/ adresinden aldigim API key
In [5]:
source = input('Su an neredesiniz?: ')
Su an neredesiniz?: Kocaeli
In [6]:
destination = input('Nereye gitmek istiyorsunuz?: ')
Nereye gitmek istiyorsunuz?: Ankara
In [7]:
request url = url + 'origins=' + source + '&destinations=' + destination + '&key=' + api key + '&mo
de=driving&sensors=false'
response = requests.get(request url)
In [8]:
x = response.json()
# JSON formatinda sonuc dondurur.
In [9]:
print(x)
{'destination_addresses': ['Ankara, Turkey'], 'origin_addresses': ['Kocaeli, Turkey'], 'rows': [{'
elements': [{'distance': {'text': '371 km', 'value': 370652}, 'duration': {'text': '4 hours 12 min
s', 'value': 15113}, 'status': 'OK'}]}], 'status': 'OK'}
In [10]:
web object = urllib.request.urlopen(request url)
results_str = str(web_object.read())
web object.close()
# JSON formatindaki sonucu proje aciklama PDF'indeki gibi parse islemi yapilir.
In [11]:
# Yararlanilan kaynaklar: https://developers.google.com/maps/documentation/
# https://www.geeksforgeeks.org/python-calculate-distance-duration-two-places-using-google-distanc
e-matrix-api/
# https://www.woutube.com/watch?w=IIrrWvwa17/8
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