

Kakao map api

```
import requests
```

```
def getLatLng(address):
```

```
    result = ""
```

```
    url = 'https://dapi.kakao.com/v2/local/search/address.json?query=' + address
```

```
    rest_api_key = '543a50fb3ce3f6d5edb32151aaeb6084'
```

```
    header = {'Authorization': 'KakaoAK ' + rest_api_key}
```

```
    r = requests.get(url, headers=header)
```

```
    if r.status_code == 200:
```

```
        result_address = r.json()["documents"][0]["address"]
```

```
        result = result_address["y"], result_address["x"]
```

```
    else:
```

```
        result = "ERROR[" + str(r.status_code) + "]"
```

```
    return result
```

```
def getKakaoMapHtml(address_latlng):
```

```
    javascript_key = "039216212089008868721810a328e713"
```

```
    rest_api_key = '543a50fb3ce3f6d5edb32151aaeb6084'
```

```
    result = ""
```

```
    result = result + "<div id='map' style='width:1200px;height:1000px;display:inline-block;'></div>" + "\n"
```

```
    result = result + "<script type='text/javascript' src='//dapi.kakao.com/v2/maps/sdk.js?appkey=" + rest_api_key + "'></script>" + "\n"
```

```
    result = result + "<script>" + "\n"
```

```
    result = result + "    var container = document.getElementById('map'); " + "\n"
```

```
    result = result + "    var options = {" + "\n"
```

```
    result = result + "        center: new kakao.maps.LatLng(" + address_latlng[0] + ", " + address_latlng[1] + "), " + "\n"
```

```
    result = result + "        Level: 3" + "\n"
```

```
    result = result + "    }; " + "\n"
```

```
    result = result + "    var map = new kakao.maps.Map(container, options); " + "\n"
```

```
# 검색한 좌표의 마커 생성을 위해 추가
```

```
result = result + "    var markerPosition = new kakao.maps.LatLng(" + address_latlng[0] + ", " + address_latlng[1] + "); " + "\n"
```

```
result = result + "    var marker = new kakao.maps.Marker({position: markerPosition}); " + "\n"
```

```
result = result + "    var zoomControl = new kakao.maps.ZoomControl(); " + "\n"
```

```
result = result + "    map.addControl(zoomControl, kakao.maps.ControlPosition.RIGHT); " + "\n"
```

```
result = result + "    var mapTypeControl = new kakao.maps.MapTypeControl(); " + "\n"
```

```
result = result + "    map.addControl(mapTypeControl, kakao.maps.ControlPosition.TOPRIGHT); " + "\n"
```

```
result = result + "    marker.setMap(map); " + "\n"
```

```
result = result + "</script>" + "\n"
```

```
return result
```

```

# main()
if __name__ == "__main__":
    address = "대전광역시 중구 대흥동 500-5"

    # 카카오 REST API로 좌표 구하기
    address_latlng = getLatLng(address)

    # 좌표로 지도 첨부 HTML 생성
    if str(address_latlng).find("ERROR") < 0:
        map_html = getKakaoMapHtml(address_latlng)

        print(map_html)
    else:
        print("[ERROR]getLatLng")

```

Markers Properties Servers Data Source Explorer Snippets Console

<terminated> kakao.py [D:\Anaconda3\python.exe]

```

<div id='map' style='width:1200px;height:1000px;display:inline-block;'></div>
<script type='text/javascript' src='//dapi.kakao.com/v2/maps/sdk.js?appkey=543a50fb3ce3f6d5edb32151aaeb6084'></script>
<script>
    var container = document.getElementById('map');
    var options = {
        center: new kakao.maps.LatLng(36.3251971603305, 127.420294377844),
        level: 3
    };
    var map = new kakao.maps.Map(container, options);
    var markerPosition = new kakao.maps.LatLng(36.3251971603305, 127.420294377844);
    var marker = new kakao.maps.Marker({position: markerPosition});
    var zoomControl = new kakao.maps.ZoomControl();
    map.addControl(zoomControl, kakao.maps.ControlPosition.RIGHT);
    var mapTypeControl = new kakao.maps.MapTypeControl();
    map.addControl(mapTypeControl, kakao.maps.ControlPosition.TOPRIGHT);
    marker.setMap(map);
</script>

```

print된 콘솔창을 복사해서
html에 옮겨서 실행

html

```
<div id='map' style='width:1200px;height:1000px;display:inline-block;'></div>
<script type='text/javascript' src='//dapi.kakao.com/v2/maps/sdk.js?appkey=543a50fb3ce3f6d5edb32151aaeb6084'></script>
<script>
    var container = document.getElementById('map');
    var options = {
        center: new kakao.maps.LatLng(36.3251971603305, 127.420294377844),
        level: 3
    };
    var map = new kakao.maps.Map(container, options);
    var markerPosition = new kakao.maps.LatLng(36.3251971603305, 127.420294377844);
    var marker = new kakao.maps.Marker({position: markerPosition});
    var zoomControl = new kakao.maps.ZoomControl();
    map.addControl(zoomControl, kakao.maps.ControlPosition.RIGHT);
    var mapTypeControl = new kakao.maps.MapTypeControl();
    map.addControl(mapTypeControl, kakao.maps.ControlPosition.TOPRIGHT);
    marker.setMap(map);
</script>
```


실행

