

```
In [1]: import json
with open("C:\\Users\\TanujaNekkanti\\Downloads\\airports.json") as f:
    data=json.load(f)
```

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In [2]: data
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Out[2]: [{'code': 'AAA',
          'lat': '-17.3595',
          'lon': '-145.494',
          'name': 'Anaa Airport',
          'city': 'Anaa',
          'state': 'Tuamotu-Gambier',
          'country': 'French Polynesia',
          'woeid': '12512819',
          'tz': 'Pacific/Midway',
          'phone': '',
          'type': 'Airports',
          'email': '',
          'url': '',
          'runway_length': '4921',
          'elev': '7',
          'icao': 'NTGA',
          'direct_flights': '2',
          'carriers': '1'},
         {'code': 'AAE',
          'lat': '136.8886',
          'lon': '136.8886',
          'name': 'AAE Airport',
          'city': 'AAE',
          'state': 'AAE',
          'country': 'AAE',
          'woeid': 'AAE',
          'tz': 'AAE',
          'phone': 'AAE',
          'type': 'Airports',
          'email': 'AAE',
          'url': 'AAE',
          'runway_length': 'AAE',
          'elev': 'AAE',
          'icao': 'AAE',
          'direct_flights': 'AAE',
          'carriers': 'AAE'}
```

```

In [15]: def integer(val):
        i=0
        while i<len(data):
            if data[i][val]==None or data[i][val]=='NULL' or data[i][val]=='':
                data[i][val]=0
            i=i+1
        return data
data = integer("woeid")
data = integer("phone")
data = integer("runway_length")
data = integer("elev")
data = integer("direct_flights")
data = integer("carriers")
print(data)

```

```

a', 'woeid': '1317686', 'tz': 'Africa/Addis_Ababa', 'phone': 0, 'type': 'Air
ports', 'email': 'BLANK', 'url': 'BLANK', 'runway_length': '10935', 'elev':
'1800', 'icao': 'HAKD', 'direct_flights': '1', 'carriers': '1'}, {'code': 'A
BL', 'lat': '67.1058', 'lon': '-157.854', 'name': 'Ambler Airport', 'city':
'Kiana', 'state': 'Alaska', 'country': 'United States', 'woeid': '12518600',
'tz': 'America/Anchorage', 'phone': 0, 'type': 'Airports', 'email': 'BLANK',
'url': 'BLANK', 'runway_length': '2600', 'elev': '289', 'icao': 'BLANK', 'di
rect_flights': '2', 'carriers': '3'}, {'code': 'ABM', 'lat': '-10.9438', 'lo
n': '142.453', 'name': 'Bamaga Airport', 'city': 'Seisia', 'state': 'Queensl
and', 'country': 'Australia', 'woeid': '12510598', 'tz': 'Australia/Brisban
e', 'phone': 0, 'type': 'Airports', 'email': 'BLANK', 'url': 'BLANK', 'runwa
y_length': '6700', 'elev': '49', 'icao': 'YBAM', 'direct_flights': '1', 'car
riers': '1'}, {'code': 'ABQ', 'lat': '35.0494', 'lon': '-106.625', 'name':
'Albuquerque International Airport', 'city': 'Albuquerque', 'state': 'New Me
xico', 'country': 'United States', 'woeid': '12518564', 'tz': 'America/Denve
r', 'phone': 0, 'type': 'Airports', 'email': 'BLANK', 'url': 'BLANK', 'runwa
y_length': '13375', 'elev': '5352', 'icao': 'KABQ', 'direct_flights': '41',
'carriers': '25'}, {'code': 'ABR', 'lat': '45.4536', 'lon': '-98.4189', 'nam
e': 'Aberdeen Regional Airport', 'city': 'Aberdeen', 'state': 'South Dakot
a', 'country': 'United States', 'woeid': '12518514', 'tz': 'America/Chicago

```

```
In [16]: def string(val):
    i = 0
    while i < len(data):
        if data[i][val] == None or data[i][val] == 'NULL' or data[i][val] == '':
            data[i][val] = 'BLANK'
        i = i+1
    return data
data = string("code")
data = string("name")
data = string("city")
data = string("state")
data = string("country")
data = string("tz")
data = string("type")
data = string("email")
data = string("url")
data = string("icao")
print(data)
```

```
[{'code': 'AAA', 'lat': '-17.3595', 'lon': '-145.494', 'name': 'Anaa Airpor
t', 'city': 'Anaa', 'state': 'Tuamotu-Gambier', 'country': 'French Polynesi
a', 'woeid': '12512819', 'tz': 'Pacific/Midway', 'phone': 0, 'type': 'Airpor
ts', 'email': 'BLANK', 'url': 'BLANK', 'runway_length': '4921', 'elev': '7',
'icao': 'NTGA', 'direct_flights': '2', 'carriers': '1'}, {'code': 'AAE', 'la
t': '36.8236', 'lon': '7.8103', 'name': 'El Mellah Airport', 'city': 'El Tar
f', 'state': 'Annaba', 'country': 'Algeria', 'woeid': '12510325', 'tz': 'Afr
ica/Algiers', 'phone': 0, 'type': 'Airports', 'email': 'BLANK', 'url': 'BLAN
K', 'runway_length': '9843', 'elev': '16', 'icao': 'DABB', 'direct_flights':
'6', 'carriers': '2'}, {'code': 'AAL', 'lat': '57.0952', 'lon': '9.85606',
'name': 'Aalborg Airport', 'city': 'Norresundby', 'state': 'Nordjylland', 'c
ountry': 'Denmark', 'woeid': '12512587', 'tz': 'Europe/Copenhagen', 'phone':
0, 'type': 'Airports', 'email': 'BLANK', 'url': 'http://www.aal.dk/', 'runwa
y_length': '8700', 'elev': '10', 'icao': 'EKYT', 'direct_flights': '7', 'car
riers': '10'}, {'code': 'AAM', 'lat': '-24.8', 'lon': '31.5333', 'name': 'Ma
la Mala', 'city': 'Mala Mala', 'state': 'BLANK', 'country': 'South Africa',
'woeid': '55921381', 'tz': 'Africa/Johannesburg', 'phone': 0, 'type': 'Airpo
rts', 'email': 'BLANK', 'url': 'BLANK', 'runway_length': '4420', 'elev': '12
00', 'icao': 'FAMD', 'direct_flights': '1', 'carriers': '1'}, {'code': 'AA
...

```

```
In [17]: def float(val):
    i=0
    while i<len(data):
        if data[i][val]==None or data[i][val]=='NULL' or data[i][val]=='':
            data[i][val]=0.0
        i=i+1
    return data
data = float("lat")
data = float("lon")
print(data)
```

```
[{'code': 'AAA', 'lat': '-17.3595', 'lon': '-145.494', 'name': 'Anaa Airpor
t', 'city': 'Anaa', 'state': 'Tuamotu-Gambier', 'country': 'French Polynesi
a', 'woeid': '12512819', 'tz': 'Pacific/Midway', 'phone': 0, 'type': 'Airpor
ts', 'email': 'BLANK', 'url': 'BLANK', 'runway_length': '4921', 'elev': '7',
'icao': 'NTGA', 'direct_flights': '2', 'carriers': '1'}, {'code': 'AAE', 'la
t': '36.8236', 'lon': '7.8103', 'name': 'El Mellah Airport', 'city': 'El Tar
f', 'state': 'Annaba', 'country': 'Algeria', 'woeid': '12510325', 'tz': 'Afr
ica/Algiers', 'phone': 0, 'type': 'Airports', 'email': 'BLANK', 'url': 'BLAN
K', 'runway_length': '9843', 'elev': '16', 'icao': 'DABB', 'direct_flights':
'6', 'carriers': '2'}, {'code': 'AAL', 'lat': '57.0952', 'lon': '9.85606',
'name': 'Aalborg Airport', 'city': 'Norresundby', 'state': 'Nordjylland', 'c
ountry': 'Denmark', 'woeid': '12512587', 'tz': 'Europe/Copenhagen', 'phone':
0, 'type': 'Airports', 'email': 'BLANK', 'url': 'http://www.aal.dk/', 'runwa
y_length': '8700', 'elev': '10', 'icao': 'EKYT', 'direct_flights': '7', 'car
riers': '10'}, {'code': 'AAM', 'lat': '-24.8', 'lon': '31.5333', 'name': 'Ma
la Mala', 'city': 'Mala Mala', 'state': 'BLANK', 'country': 'South Africa',
'woeid': '55921381', 'tz': 'Africa/Johannesburg', 'phone': 0, 'type': 'Airpo
rts', 'email': 'BLANK', 'url': 'BLANK', 'runway_length': '4420', 'elev': '12
00', 'icao': 'FAMD', 'direct_flights': '1', 'carriers': '1'}, {'code': 'AA
...}]
```

In [ ]: