In [5]:
```python
import json
with open('D:\Assessments\Airport assignment\\airports.json') as loc:
    data=json.load(loc)
def airport(d):
    d1={}
    for i in d.keys():
        if d[i]=="":
            d1[i]='BLANK'
        elif d[i]==None:
            d1[i]=0
        else:
            d1[i]=d[i]
    return d1


l=[]
for n in data:
    l.append(airport(n))
print(l)
```

```
[{'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': 'BLANK', 'type':
'Airports', 'email': 'BLANK', 'url': 'BLANK', 'runway_length': '4921', 'ele
v': '7', 'icao': 'NTGA', 'direct_flights': '2', 'carriers': '1'}, {'code':
'AAE', 'lat': '36.8236', 'lon': '7.8103', 'name': 'El Mellah Airport', 'cit
y': 'El Tarf', 'state': 'Annaba', 'country': 'Algeria', 'woeid': '12510325',
'tz': 'Africa/Algiers', 'phone': 'BLANK', 'type': 'Airports', 'email': 'BLAN
K', 'url': 'BLANK', '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', 'country': 'Denmark', 'woeid': '12512587', 'tz': 'Europe/Cope
nhagen', 'phone': 'BLANK', 'type': 'Airports', 'email': 'BLANK', 'url': 'htt
p://www.aal.dk/', 'runway_length': '8700', 'elev': '10', 'icao': 'EKYT', 'di
rect_flights': '7', 'carriers': '10'}, {'code': 'AAM', 'lat': '-24.8', 'lo
n': '31.5333', 'name': 'Mala Mala', 'city': 'Mala Mala', 'state': 'BLANK',
'country': 'South Africa', 'woeid': '55921381', 'tz': 'Africa/Johannesburg',
'phone': 'BLANK', 'type': 'Airports', 'email': 'BLANK', 'url': 'BLANK', 'run
way_length': '4420', 'elev': '1200', 'icao': 'FAMD', 'direct_flights': '1',
```

In [4]:
```python
import json
with open('D:\\Assessments\\Airport assignment\\airports.json') as loc:
    rec=json.load(loc)

def airport_int(parm):
    i=0
    while i<len(rec):
        if rec[i][parm]==None or rec[i][parm]=='NULL' or rec[i][parm]=='':
            rec[i][parm]=0
        i=i+1
    return rec
rec = airport_int("woeid")
rec = airport_int("phone")
rec = airport_int("runway_length")
rec = airport_int("elev")
rec = airport_int("direct_flights")
rec = airport_int("carriers")


def airport_str(parm):
    i = 0
    while i < len(rec):
        if rec[i][parm] == None or rec[i][parm] == 'NULL' or rec[i][parm]== '':
            rec[i][parm] = 'BLANK'
        i = i+1
    return rec
rec = airport_str("code")
rec = airport_str("name")
rec = airport_str("city")
rec = airport_str("state")
rec = airport_str("country")
rec = airport_str("tz")
rec = airport_str("type")
rec = airport_str("email")
rec = airport_str("url")
rec = airport_str("icao")


def airport_float(parm):
    i=0
    while i<len(rec):
        if rec[i][parm]==None or rec[i][parm]=='NULL' or rec[i][parm]=='':
            rec[i][parm]=0.0
        i=i+1
    return rec
rec = airport_float("lat")
rec = airport_float("lon")
print(rec)
```

```
[{'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 [ ]: