



Fig. Exception Hierarchy in Java -- by Deepthi Swamy

```

import pandas as pd
import numpy as np
import csv
import pandas as pd
import glob, os
import geoip2.database

path=r'C:\Users\AAB\Desktop\2013'
file=glob.glob(os.path.join(path,"6.1162-6.1161-20130101*"))
print(file)

for f in file:
    df=pd.read_csv(f)

#connect to database
    reader=geoip2.database.Reader(r"GeoLite2-Country.mmdb")

# convert ip1 to country
    code1=[]

    for row1 in df["ip"]:
        try:
            response1=reader.country(row1)
            code1.append(response1.country.iso_code)

        except AddressNotFoundError as error:
            response1=None

    print(code1)

    df["code1"]=code1

```