Suppose we have data that contains the details of employees like their education, age, number of trainings undertaken etc. The data is divided into multiple directories region-wise. The details of employees belonging to the same region are stored in the same file.  
Now, our task is to use python as programming language and write code base to read all the files and concatenate them to form a single file.

Note : We need to throw exception if we are not able to find file for some regions, also throw exception if we are not able to read that file.

import os

import pandas as pd

data\_dir = '/x/y/z'

regions = ['North', 'South', 'East', 'West']

dfs = []

for region in regions:

file\_path = os.path.join(data\_dir, f'{region}.csv')

if not os.path.exists(file\_path):

raise Exception(f'File not found for region {region}')

try:

df = pd.read\_csv(file\_path)

except:

raise Exception(f'Error reading file for region {region}')

dfs.append(df)

merged\_df = pd.concat(dfs)

merged\_df.to\_csv('/a/b/c.csv', index=False)