

```
In [3]: import requests
base_url = 'https://restcountries.com/v3.1/all'
resp = requests.get(base_url)
data = resp.json()
print("What's your name?")
user_name = input()
print("Which country do you stay in?")
user_country= input()
print("\n")
for country in data:
    if(country['name'] == user_country):
        print("Nice to meet you, {}".format(user_name))
        print("I really like your country (), especially your country's capital {}".format(country['capital']))
```

What's your name?
common
Which country do you stay in?
Eastern Africa

```
In [4]: f=open('raja_file.txt',mode='r')
number_of_lines = 0
for line in f:
    number_of_lines+=1
    line=line.strip("\n")

f.close()
print(number_of_lines)
```

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In [6]: import shutil
import os

source_folder="C:/Users/Rajakumar/Desktop/CSV File/Files-main"

target_folder="C:/Users/Rajakumar/Desktop/CSV File/Files-main/target"

for dirs, subdirs, files in os.walk(source_folder):
    for file in files:
        if file.endswith(".csv"):
            print(file)
            filename = os.path.join(source_folder, dirs, file)
            if os.path.exists(filename):
                print(filename)
                shutil.copy(filename, target_folder)
print(len(os.listdir(target_folder)))

#some error due to same path
```

Admission_Prediction.csv
C:/Users/Rajakumar/Desktop/CSV File/Files-main\Admission_Prediction.csv
Advertising.csv
C:/Users/Rajakumar/Desktop/CSV File/Files-main\Advertising.csv
avocado.csv
C:/Users/Rajakumar/Desktop/CSV File/Files-main\avocado.csv
boston_house_rent.csv
C:/Users/Rajakumar/Desktop/CSV File/Files-main\boston_house_rent.csv
breast_cancer.csv
C:/Users/Rajakumar/Desktop/CSV File/Files-main\breast_cancer.csv
cardio_train.csv
C:/Users/Rajakumar/Desktop/CSV File/Files-main\cardio_train.csv
class_distribution.csv
C:/Users/Rajakumar/Desktop/CSV File/Files-main\class_distribution.csv
diabetes.csv
C:/Users/Rajakumar/Desktop/CSV File/Files-main\diabetes.csv
diabetes_up_down.csv
C:/Users/Rajakumar/Desktop/CSV File/Files-main\diabetes_up_down.csv
DT_Students.csv
C:/Users/Rajakumar/Desktop/CSV File/Files-main\DT_Students.csv
feature_selection_UNIVARIATE.csv
C:/Users/Rajakumar/Desktop/CSV File/Files-main\feature_selection_UNIVARIATE.csv
heart_disease.csv
C:/Users/Rajakumar/Desktop/CSV File/Files-main\heart_disease.csv
Hypothesis_ttest.csv
C:/Users/Rajakumar/Desktop/CSV File/Files-main\Hypothesis_ttest.csv
Lesson 10 Regression Analysis Ex 1.csv
C:/Users/Rajakumar/Desktop/CSV File/Files-main\Lesson 10 Regression Analysis Ex 1.csv
Mall_Customers.csv
C:/Users/Rajakumar/Desktop/CSV File/Files-main\Mall_Customers.csv
matches.csv
C:/Users/Rajakumar/Desktop/CSV File/Files-main\matches.csv
raw_data.csv
C:/Users/Rajakumar/Desktop/CSV File/Files-main\raw_data.csv
Sales_LinReg.csv
C:/Users/Rajakumar/Desktop/CSV File/Files-main\Sales_LinReg.csv
Semester_marks.csv
C:/Users/Rajakumar/Desktop/CSV File/Files-main\Semester_marks.csv
Students_details.csv
C:/Users/Rajakumar/Desktop/CSV File/Files-main\Students_details.csv
titanic_train.csv
C:/Users/Rajakumar/Desktop/CSV File/Files-main\titanic_train.csv
wine.csv
C:/Users/Rajakumar/Desktop/CSV File/Files-main\wine.csv
Admission_Prediction.csv
C:/Users/Rajakumar/Desktop/CSV File/Files-main\target\Admission_Prediction.csv

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SameFileError                                Traceback (most recent call last)
Cell In[6], line 15
    13         if os.path.exists(filename):
    14             print(filename)
--> 15         shutil.copy(filename, target_folder)
    16 print(len(os.listdir(target_folder)))

File ~\AppData\Local\anaconda3\Lib\shutil.py:419, in copy(src, dst, follow_symlinks)
    417 if os.path.isdir(dst):
    418     dst = os.path.join(dst, os.path.basename(src))
--> 419 copyfile(src, dst, follow_symlinks=follow_symlinks)
    420 copymode(src, dst, follow_symlinks=follow_symlinks)
    421 return dst

File ~\AppData\Local\anaconda3\Lib\shutil.py:236, in copyfile(src, dst, follow_symlinks)
    233 sys.audit("shutil.copyfile", src, dst)
    235 if _samefile(src, dst):
--> 236     raise SameFileError("{!r} and {!r} are the same file".format(src, dst))
    238 file_size = 0
    239 for i, fn in enumerate([src, dst]):

SameFileError: 'C:/Users/Rajakumar/Desktop/CSV File/Files-main\\target\\Admission_Prediction.csv' and 'C:/Users/Rajakumar/Desktop/CSV File/Files-main/target\\Admission_Prediction.csv' are the same file

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In [8]: import pandas as pd

def write_excel(data, excel_file_name):
    try:
        df = pd.DataFrame(data)
        df.to_excel(excel_file_name, index=False)
        print(f"we have to Data written to {excel_file_name} successfully.")
    except Exception as e:
        print(f"Error: {e}")

data_list = [
    {'Name': 'raja', 'Age': 22, 'City': 'Greater Noida'},
    {'Name': 'Atul', 'Age': 22, 'City': 'Noida'},
    {'Name': 'Boby', 'Age': 23, 'City': 'delhi'}
]

excel_file = "raja_data.xlsx"
write_excel(data_list, excel_file)

```

we have to Data written to raja_data.xlsx successfully.

```

In [10]: def create_a_dictionary(keys, values):
    if len(keys) == len(values):
        result_dict = dict(zip(keys, values))
        return result_dict
    else:
        print("Error")
        return None

keys_list = ['frouit', 'price', 'City']
values_list = ['apple', 100, 'jammu_kashmir']

result_dict = create_a_dictionary(keys_list, values_list)

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if result_dict is not None:  
    print(result_dict)
```

```
{'frouit': 'apple', 'price': 100, 'City': 'jammu_kashmir'}
```

In []: