Project code

App.py

def find\_top\_confirmed(n = 20):  
  
 import pandas as pd  
 corona\_df=pd.read\_csv("dataset2.csv")  
 by\_country = corona\_df.groupby('Country\_Region').sum()[['Confirmed', 'Deaths', 'Recovered', 'Active']]  
 cdf = by\_country.nlargest(n, 'Confirmed')[['Confirmed']]  
 return cdf  
  
cdf=find\_top\_confirmed()  
pairs=[(country,confirmed) for country,confirmed in zip(cdf.index,cdf['Confirmed'])]  
  
  
import folium  
import pandas as pd  
corona\_df = pd.read\_csv("dataset2.csv")  
corona\_df=corona\_df[['Lat','Long\_','Confirmed']]  
corona\_df=corona\_df.dropna()  
  
m=folium.Map(location=[34.223334,-82.461707],  
 tiles='Stamen toner',  
 zoom\_start=8)  
  
def circle\_maker(x):  
 folium.Circle(location=[x[0],x[1]],  
 radius=float(x[2]),  
 color="red",  
 popup='confirmed cases:{}'.format(x[2])).add\_to(m)  
corona\_df.apply(lambda x:circle\_maker(x),axis=1)  
  
html\_map=m.\_repr\_html\_()  
from flask import Flask,render\_template  
  
app=Flask(\_\_name\_\_)  
  
@app.route('/')  
def home():  
 return render\_template("home.html",table=cdf, cmap=html\_map,pairs=pairs)  
  
if \_\_name\_\_=="\_\_main\_\_":  
 app.run(debug=True)

base.html

<head>  
 <link  
 rel="stylesheet"  
 href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/css/bootstrap.min.css"  
 integrity="sha384-9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZl5MYYxFfc+NcPb1dKGj7Sk"  
 crossorigin="anonymous"  
 />  
  
 <link  
 rel="stylesheet"  
 type="text/css"  
 href="{{ url\_for('static',filename='style.css')}}"  
 />  
</head>  
  
{% block content %} {% endblock %}

Home .html

{% extends "base.html" %} {% block content %}  
  
  
<div class="container">  
 <h1>COVID-19 Data Analysis</h1>  
 <p>DWM PROJECT</p>  
 <div class="row">  
  
 <div class="col-4">  
 <h5><font color="red">Top 15 country</font></h5>  
 <p>This is the countrywise covid-19 data upto 20 july 2020.</p>  
 <table class="table-responsive-sm table-dark">  
 <thead>  
 <tr>  
 <th scope="col">Country</th>  
 <th scope="col">Confirmed</tr>  
 </tr>  
 </thead>  
 <tbody>  
 {% for pair in pairs %}  
 <tr>  
 <td>{{ pair[0]}}</td>  
 <td>{{ pair[1]}}</td>  
 </tr>  
 {% endfor %}  
 </tbody>  
 </table></div>  
 <div class="col-8">  
 <h5><font color="firebrick">world map of corona cases. The bigger the circle, bigger is the impace of corona virus in that province state.</font></h5>  
 <p>using the same data we provided an updated map that contains</p>  
 {{cmap|safe}}</div>  
  
 </div>  
</div>  
  
  
{% endblock %}

App1.py

def find\_top\_confirmed(n = 20):  
  
 import pandas as pd  
 corona\_df=pd.read\_csv("dataset2.csv")  
 by\_country = corona\_df.groupby('Country\_Region').sum()[['Confirmed', 'Deaths', 'Recovered', 'Active']]  
 cdf = by\_country.nlargest(n, 'Recovered')[['Recovered']]  
 return cdf  
  
cdf=find\_top\_confirmed()  
pairs=[(country,recoverd) for country,recoverd in zip(cdf.index,cdf['Recovered'])]  
  
  
import folium  
import pandas as pd  
corona\_df = pd.read\_csv("dataset2.csv")  
corona\_df=corona\_df[['Lat','Long\_','Recovered']]  
corona\_df=corona\_df.dropna()  
  
m=folium.Map(location=[34.223334,-82.461707],  
 tiles='Stamen toner',  
 zoom\_start=8)  
  
def circle\_maker(x):  
 folium.Circle(location=[x[0],x[1]],  
 radius=float(x[2]),  
 color="green",  
 popup='recoverd cases:{}'.format(x[2])).add\_to(m)  
corona\_df.apply(lambda x:circle\_maker(x),axis=1)  
  
html\_map=m.\_repr\_html\_()  
from flask import Flask,render\_template  
  
app=Flask(\_\_name\_\_)  
  
@app.route('/')  
def home():  
 return render\_template("home1.html",table=cdf, cmap=html\_map,pairs=pairs)  
  
if \_\_name\_\_=="\_\_main\_\_":  
 app.run(debug=True)

base1.html

<head>  
 <link  
 rel="stylesheet"  
 href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/css/bootstrap.min.css"  
 integrity="sha384-9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZl5MYYxFfc+NcPb1dKGj7Sk"  
 crossorigin="anonymous"  
 />  
  
 <link  
 rel="stylesheet"  
 type="text/css"  
 href="{{ url\_for('static',filename='style.css')}}"  
 />  
</head>  
  
{% block content %} {% endblock %}

Home1.html

{% extends "base.html" %} {% block content %}  
  
  
<div class="container">  
 <h1>COVID-19 Data Analysis</h1>  
 <p>dwm project</p>  
 <div class="row">  
  
 <div class="col-4">  
 <h5><font color="red">Top 15 country</font></h5>  
 <p>This is the countrywise covid-19 data upto 20 july 2020.</p>  
 <table class="table-responsive-sm table-dark">  
 <thead>  
 <tr>  
 <th scope="col">Country</th>  
 <th scope="col">Recoverd</tr>  
 </tr>  
 </thead>  
 <tbody>  
 {% for pair in pairs %}  
 <tr>  
 <td>{{ pair[0]}}</td>  
 <td>{{ pair[1]}}</td>  
 </tr>  
 {% endfor %}  
 </tbody>  
 </table></div>  
 <div class="col-8">  
 <h5><font color="firebrick">world map of corona cases. The bigger the circle, bigger is the impace of corona virus in that province state.</font></h5>  
 <p>using the same data we provided an updated map that contains</p>  
 {{cmap|safe}}</div>  
  
 </div>  
</div>  
  
  
{% endblock %}