IndiaCovidMap

Covid19

Read Dataset of India

```
In [1]: import pandas as pd
```

```
In [2]: dataset=pd.read_csv("Covid19.csv")
```

```
In [3]: dataset.head()
```

Out[3]:

	Name of State	Confirmed	Cured	Deaths	Latitude	Longitude
0	Andhra Pradesh	955	145	29	14.750429	78.570026
1	Arunachal Pradesh	1	1	0	27.100399	93.616601
2	Assam	36	19	1	26.244156	92.537842
3	Bihar	176	46	2	25.785414	87.479973
4	Chhattisgarh	36	28	0	21.295132	81.828232

```
In [4]: import folium
```

```
In [5]: # Take the lattitude and longitude
        # creating map
        # tiles=stamen toner/ Stamen Terain
        covidmap=folium.Map(location=[23.1188695,80.8016294,],zoom_start=5)
        covidmap
```

```
In [6]: Area=dataset[["Latitude","Longitude"]]
        Area=Area.values.tolist()
        type(Area)
        Area[0]
```

Out[6]: [14.7504291, 78.57002559]

```
In [7]: def mapping(i,color):
            folium.Marker(
                location=point,
                popup=f"State={dataset['Name of State'].values.tolist()[i]} Cases={dataset['Confirmed'].values.tolist()[i]} Deaths={datas
                icon=folium.Icon(color=color,icon='tint')
            ).add_to(covidmap)
```

```
In [8]: i=0
        for point in Area:
            if dataset['Confirmed'][i]<=500:
                mapping(i,'blue')
            else:
                mapping(i,'darkred')
            i=i+1
```

In [9]: covidmap

Out[9]:

Out[9]:

State=Rajasthan
Cases=1964
Deaths=27

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