A Visualiazion of COVID-19 Cases in Top 5 Districts of Bangladesh

In [53]:
```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
%matplotlib notebook

df = pd.read_excel('E:\Protfolio\BD Dataset\district-wise-confirmed-recovered-cases_27.07.2020.xlsx')
columns_to_keep = ['District_name','Confirmed_cases \nUpto 05 April',

                   'Confirmed_cases Upto 01 May',
                   'Confirmed_cases Upto 15 May',
                   'Confirmed_cases Upto 01 June',
                   'Confirmed_cases Upto 22 June',


                   'Confirmed_cases Upto 13 July',
                   'Confirmed_cases_Upto 27 July']
df = df[columns_to_keep]
df=df.sort_values(by='Confirmed_cases_Upto 27 July', ascending=False)
df=df[:5]
df=df.set_index('District_name')
df=df.T

df
```

Out[53]:

District_name	Dhaka	Chittagong	Narayanganj	Bogra	Comilla
Confirmed_cases \nUpto 05 April	54	1	11	0	1
Confirmed_cases Upto 01 May	4082	75	966	19	99
Confirmed_cases Upto 15 May	8845	553	1391	29	259
Confirmed_cases Upto 01 June	16922	2288	2057	218	771
Confirmed_cases Upto 22 June	26983	5585	4490	137	2217
Confirmed_cases Upto 13 July	29732	9888	5424	3307	4167
Confirmed_cases_Upto 27 July	29732	13503	5795	4311	4167

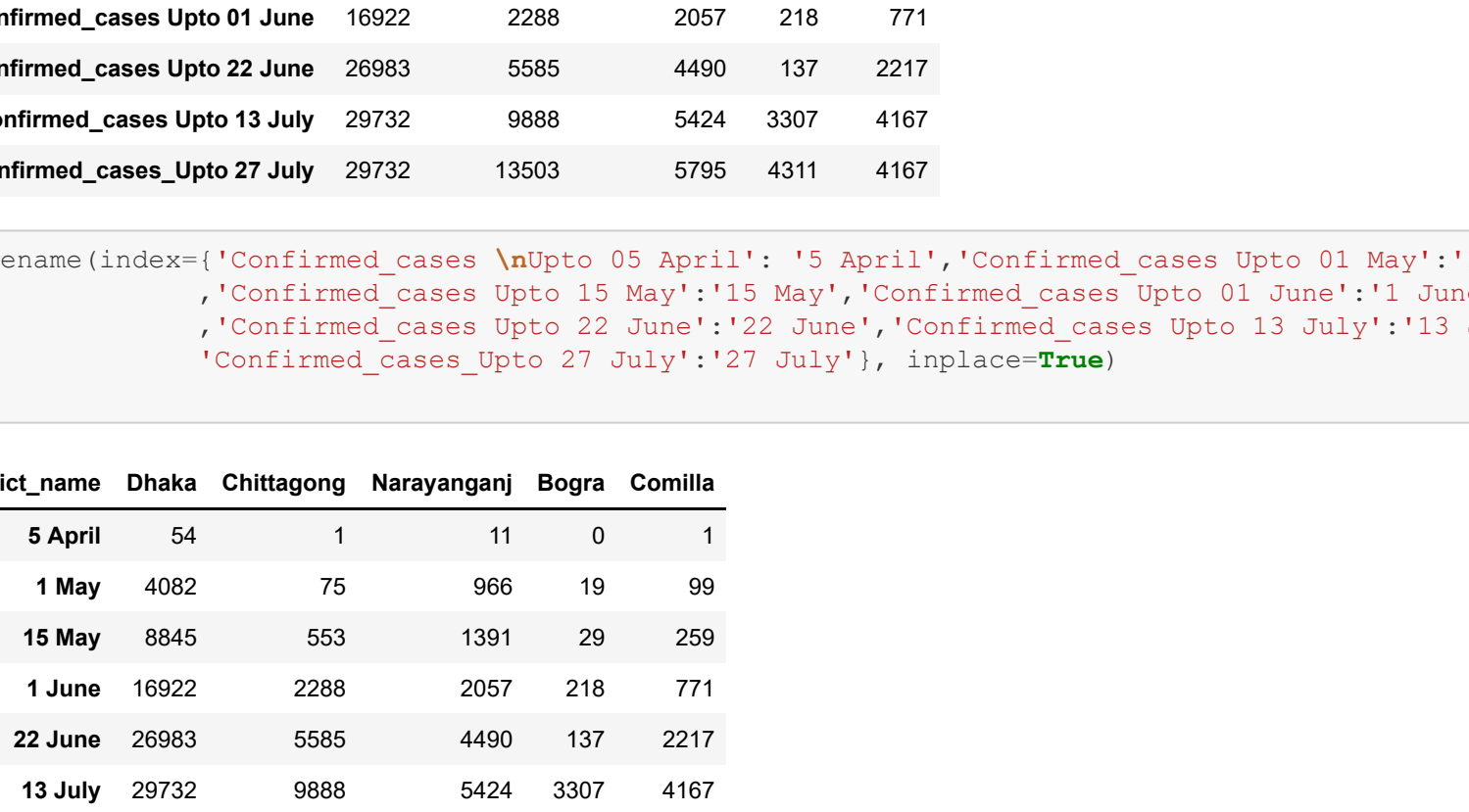
In [58]:
```
df.rename(index={'Confirmed_cases \nUpto 05 April': '5 April','Confirmed_cases Upto 01 May':'1 May'
                 ,'Confirmed_cases Upto 15 May':'15 May','Confirmed_cases Upto 01 June':'1 June'
                 ,'Confirmed_cases Upto 22 June':'22 June','Confirmed_cases Upto 13 July':'13 July',
                 'Confirmed_cases_Upto 27 July':'27 July'}, inplace=True)
df
```

Out[58]:

District_name	Dhaka	Chittagong	Narayanganj	Bogra	Comilla
5 April	54	1	11	0	1
1 May	4082	75	966	19	99
15 May	8845	553	1391	29	259
1 June	16922	2288	2057	218	771
22 June	26983	5585	4490	137	2217
13 July	29732	9888	5424	3307	4167
27 July	29732	13503	5795	4311	4167

In [89]:
```
plt.figure(figsize=(10, 5))
sns.set_style("whitegrid")

sns.lineplot(data=df,sort=False,palette='bright')
plt.xlabel("Date", fontsize= 12,color='b')
plt.ylabel("Confirmed Cases", fontsize= 12,color='r')
plt.title("COVID-19 Cases in Bangladesh", fontsize= 15,color='g')
```



Out[89]: Text(0.5, 1.0, 'COVID-19 Cases in Bangladesh')

In [ ]:

In [ ]: