

```
In [1]: print("Name : ")
print("This is a CSV of more than 200 rows which has Covide data.")
print("The task is to find out top 5 the countries who are least affected b")
print("Another task is to find out top 5 the countries who has the maximum")
print("Another task is to find out top 5 the countries who has the maximum")
```

Name :

This is a CSV of more than 200 rows which has Covide data.

The task is to find out top 5 the counties who has the least number of cases

Another task is to find out top 5 the counties who has the maximum number of deaths

Another task is to find out top 5 the counties who has the maximum number of active cases

```
In [10]: #Covide Data
import numpy as np
import pandas as pd
from matplotlib import pyplot as plt

dataframe = pd.read_csv('covid19.csv')
df = dataframe.dropna()
df
```

```
Out[10]:
```

	country	total_cases	new_cases	total_deaths	new_deaths	total_recovered	active_cases	ac
0	USA	1621196	294	96359	5.0	382244	1142593	
1	Russia	326448	8894	3249	150.0	99825	223374	
2	Brazil	310921	0	20082	0.0	125960	164879	
3	Spain	280117	0	27940	0.0	196958	55219	
4	UK	250908	0	36042	0.0	1918	212948	
...	...	...	...	...	...	...	...	...
208	St. Barth	6	0	0	0.0	6	0	
209	Western Sahara	6	0	0	0.0	6	0	
210	Anguilla	3	0	0	0.0	3	0	
211	Lesotho	1	0	0	0.0	0	1	
212	Saint Pierre Miquelon	1	0	0	0.0	1	0	

213 rows × 10 columns

```
In [1]: #Task 1
#Sort the data as per total number of cases
sorted_df = df.sort_values(by=['total_cases'])
sorted_df
print(sorted_df)
```

```
In [4]: #Task 2
#Get top 5 countries who has the least number of cases and plot a bar graph
total_cases_num = sorted_df['total_cases'].head(5)
least_cases_country = sorted_df['country'].head(5)
print(total_cases_num)
print(least_cases_country)

plt.xlabel('total_cases')
plt.xticks(rotation='vertical')
plt.ylabel('country')

label = total_cases_num
name = least_cases_country
plt.bar(label,name,width=0.4,color=('red','blue','green','purple','pink'))
```

```
-----
--
NameError                                Traceback (most recent call last)
<ipython-input-4-ac0ee053b582> in <module>
      1 #Task 2
      2 #Get top 5 countries who has the least number of cases and plot a
bar graph
----> 3 total_cases_num = sorted_df['total_cases'].head(5)
      4 least_cases_country = sorted_df['country'].head(5)
      5 print(total_cases_num)

NameError: name 'sorted_df' is not defined
```

```
In [3]: #Task 3
#Sort the data as per total number of deaths
sorted_df_deaths = df.sort_values(by=['total_deaths'])
sorted_df_deaths
print(sorted_df_deaths)
```

```
In [4]: #Task 4
#Get top 5 countries who has the maximum number of deaths and plot a bar graph
total_deaths_num = sorted_df['total_deaths'].tail(5)
least_cases_country = sorted_df['country'].tail(5)
print(total_deaths_num)
print(least_cases_country)

plt.xlabel('total_cases')
plt.xticks(rotation='vertical')
plt.ylabel('country')

label = total_deaths_num
name = least_cases_country
plt.bar(label,name,width=0.4,color=('red','blue','green','purple','pink'))
```

```
In [5]: #Task 5
#Sort the data as per active cases
sorted_df_active = df.sort_values(by=['active_cases'])
sorted_df_active
print(sorted_df_active)
```

```
In [5]: #Task 6
#Get top 5 countries who has the maximum number of active cases and plot a bar graph
total_cases_num = sorted_df['total_cases'].tail(5)
active_cases = sorted_df['active_cases'].tail(5)
print(total_cases_num)
print(active_cases)

plt.xlabel('total_cases')
plt.xticks(rotation='vertical')
plt.ylabel('country')

label = total_cases_num
name = active_cases
plt.bar(label,name,width=0.4,color=('red','blue','green','purple','pink'))
```

```
-----
--
NameError                                Traceback (most recent call last)
<ipython-input-5-d745298dbb2f> in <module>
      1 #Task 6
      2 #Get top 5 countries who has the maximum number of active cases and plot a bar graph
----> 3 total_cases_num = sorted_df['total_cases'].tail(5)
      4 active_cases = sorted_df['active_cases'].tail(5)
      5 print(total_cases_num)

NameError: name 'sorted_df' is not defined
```

```
In [ ]:
```

In [ ]: