Importing the libraries

In [2]:
```
from googleapiclient.discovery import build
import pandas as pd
import seaborn as sns
```

Raising request to the Youtube API to get the data (Using google-client-api)

In [3]:
```
api_key = 'AIzaSyAu8S7E4EzMJKP0g2NgoG5NY_KWydfdmho'
channel_id = ['UCHnyfMqiRRG1u-2MsSQLbXA', #Veritasium
              'UC9x0AN7BWHpCDHSm9NiJFJQ', #NetworkChuck
              'UCRI00CwLZdLRCWg5BdDOsNw', #CanadianLad
              'UCY1kMZp36IQSyNx_9h4mpCg'  #MarkRober
             ]
youtube = build('youtube','v3',developerKey=api_key)
```

Defining a function that returns a list of channel data

In [4]:
```
def get_stats(youtube,channel_id):
    channel_data = list()
    request = youtube.channels().list(part ='snippet,contentDetails,statistics',id =','.join(channel_id))
    response = request.execute()
    for i in range(len(response['items'])):
        data = dict(Channel_Name = response['items'][i]['snippet']['title'], Subscribers_M = response['items'][i]['statistics']['subscriberCount'], Total_Views = response['items'][i
        channel_data.append(data)
    return channel_data
```

Storing the data in a Data Frame using Pandas

In [5]:
```
channel_stats = get_stats(youtube,channel_id)
channel_data = pd.DataFrame(channel_stats)
channel_data['Subscribers_M']=pd.to_numeric(channel_data['Subscribers_M'])
channel_data['Total_Views']=pd.to_numeric(channel_data['Total_Views'])
channel_data['Total_Videos']=pd.to_numeric(channel_data['Total_Videos'])
channel_data['Subscribers_M']=(channel_data['Subscribers_M']/1000000)
channel_data
```

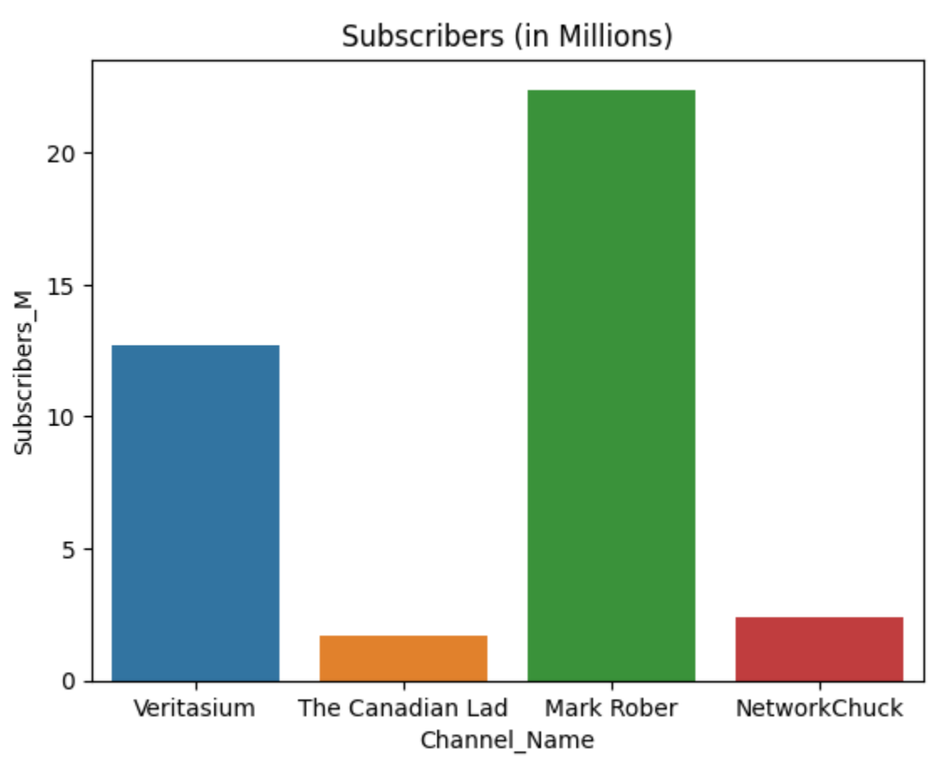
Out[5]:

	Channel_Name	Subscribers_M	Total_Views	Total_Videos
0	Veritasium	12.70	1809682638	336
1	The Canadian Lad	1.68	378642586	219
2	Mark Rober	22.40	2954698026	107
3	NetworkChuck	2.41	114837059	313

Plotting the data using Seaborn

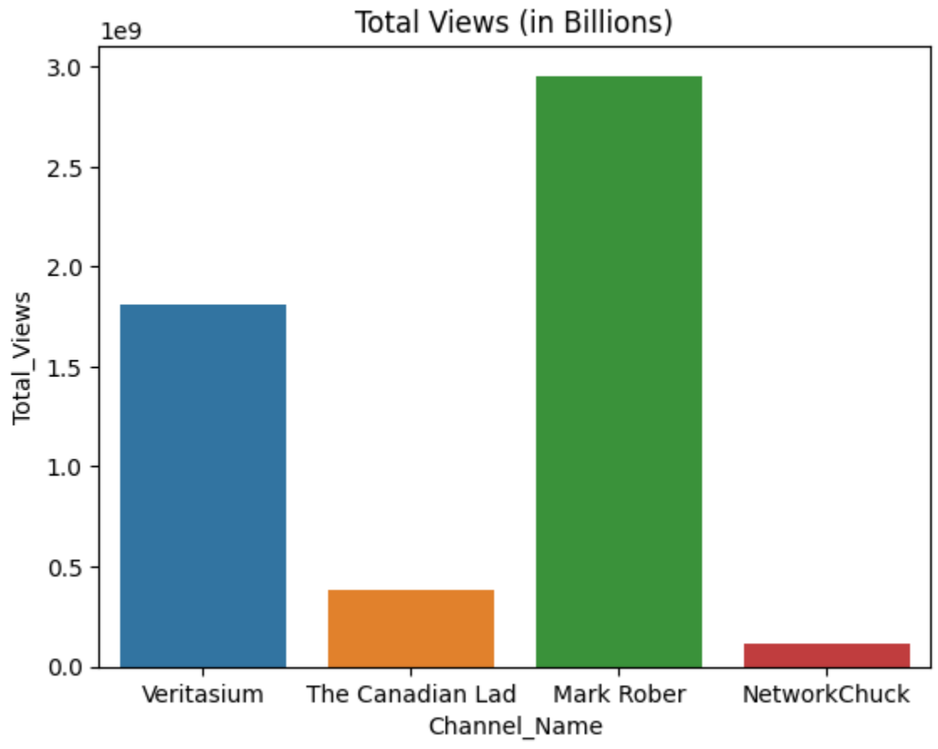
In [6]:
```
sns.barplot(x='Channel_Name',y='Subscribers_M',data = channel_data).set(title='Subscribers (in Millions)')
```

Out[6]:
```
[Text(0.5, 1.0, 'Subscribers (in Millions)')]
```



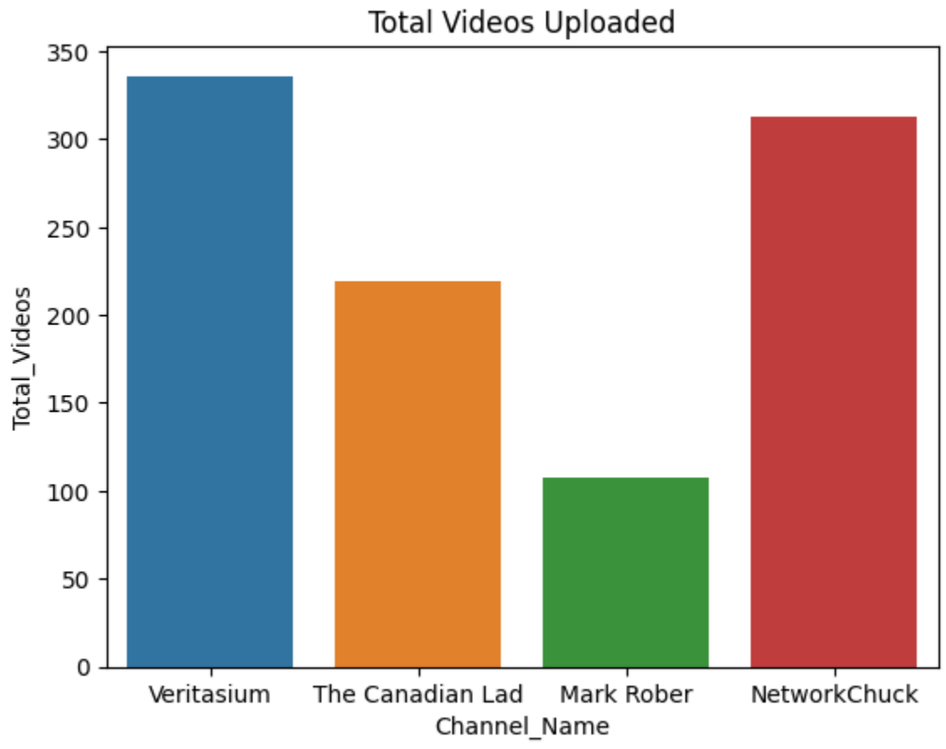
In [7]:
```
sns.barplot(x='Channel_Name',y='Total_Views',data = channel_data).set(title='Total Views (in Billions)')
```

Out[7]:
```
[Text(0.5, 1.0, 'Total Views (in Billions)')]
```



In [9]:
```
sns.barplot(x='Channel_Name',y='Total_Videos',data=channel_data).set(title='Total Videos Uploaded')
```

Out[9]:
```
[Text(0.5, 1.0, 'Total Videos Uploaded')]
```



In [ ]:
```
```