In [40]:
```python
import csv
import pandas as pd
import matplotlib.pyplot as plt
import numpy as np
import datetime
```

In [156]:
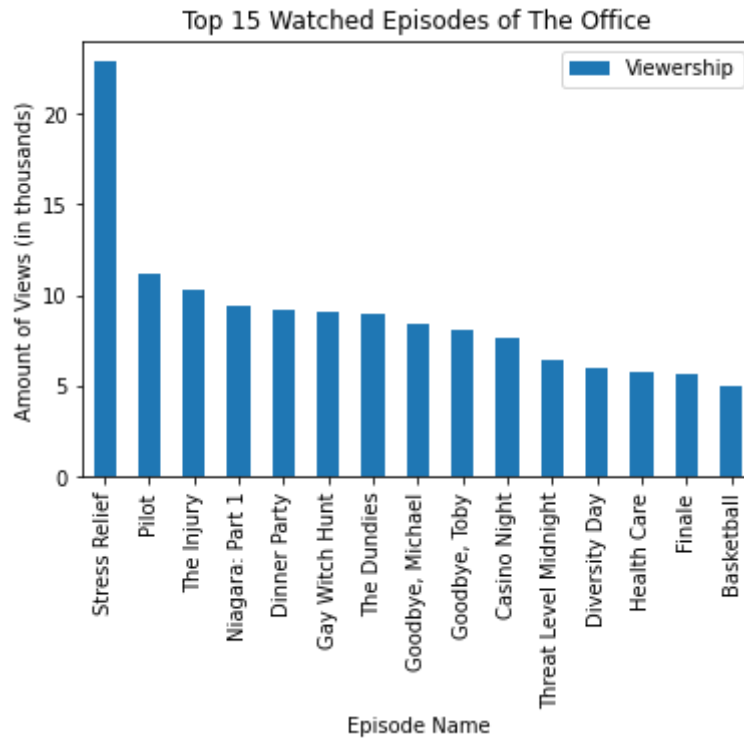```python
df = pd.read_csv("the_office_series.csv")
```

In [195]:
```python
df.head()
```
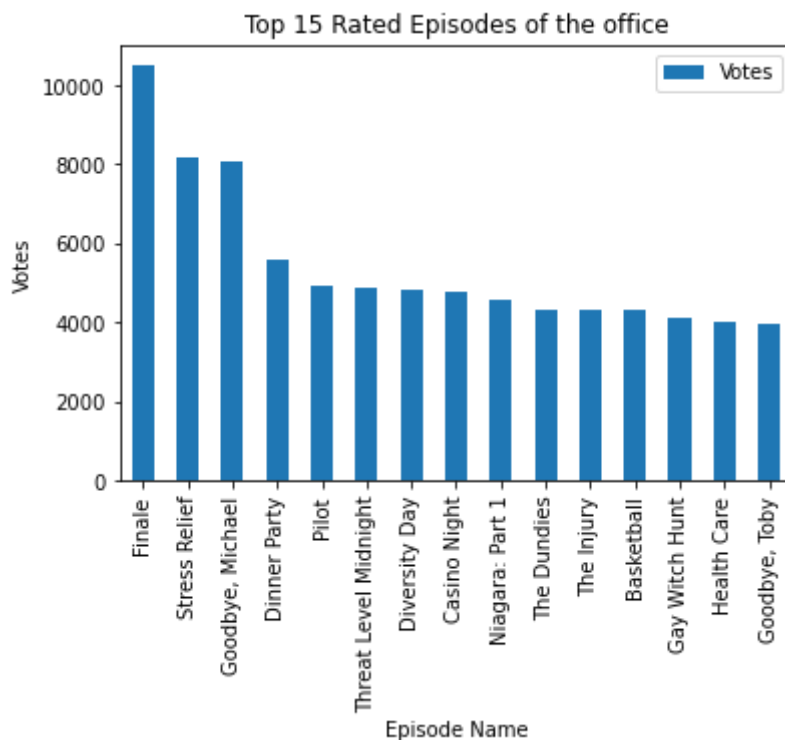
Out[195]:

	Unnamed: 0	Season	EpisodeTitle	About	Ratings	Votes	Viewership	Duration	Date	Guest
0	0	1	Pilot	The premiere episode introduces the boss and s...	7.5	4936	11.2	23	24 March 2005	
1	1	1	Diversity Day	Michael's off color remark puts a sensitivity ...	8.3	4801	6.0	23	29 March 2005	
2	2	1	Health Care	Michael leaves Dwight in charge of picking the...	7.8	4024	5.8	22	5 April 2005	
3	3	1	The Alliance	Just for a laugh, Jim agrees to an alliance wi...	8.1	3915	5.4	23	12 April 2005	
4	4	1	Basketball	Michael and his staff challenge the warehouse ...	8.4	4294	5.0	23	19 April 2005	

In [237]:
```python
dfviewership = df.sort_values(by = ["Viewership","EpisodeTitle"], ascending
dfviewership.plot(kind="bar" ,x = 'EpisodeTitle', y = 'Viewership')
plt.ylabel("Amount of Views (in thousands)")
plt.xlabel("Episode Name")
plt.title("Top 15 Watched Episodes of The Office")
plt.savefig('my_plotnew.png', bbox_inches='tight')
```

In [235]:
```python
dfrating = df.sort_values(by = ["Votes","Ratings"], ascending = False).iloc
df.plot(kind="bar" ,x = 'EpisodeTitle', y = 'Votes')
plt.ylabel("Votes")
plt.xlabel("Episode Name")
plt.title("Top 15 Rated Episodes of the office")
plt.savefig('my_plotRatednew.png', bbox_inches='tight')
```


In [226]:
```python
#Most played episode
max(dfVotes['EpisodeTitle'])
```

Out[226]: 'Threat Level Midnight'

In [238]:
```python
#least played episode
min(dfVotes['EpisodeTitle'])
```

Out[238]: 'Basketball'

In [213]:
```python
dftopten['EpisodeTitle'].sort_values(ascending = False)
```

Out[213]:
```
132     Threat Level Midnight
17                 The Injury
6                  The Dundies
77               Stress Relief
0                        Pilot
94             Niagara: Part 1
2                  Health Care
64               Goodbye, Toby
137           Goodbye, Michael
28              Gay Witch Hunt
187                     Finale
1                Diversity Day
59                Dinner Party
27                Casino Night
4                   Basketball
Name: EpisodeTitle, dtype: object
```

In [210]: `dftopten.sort_values(by=['Votes'], ascending = False)`

Out[210]:

	Unnamed: 0	Season	EpisodeTitle	About	Ratings	Votes	Viewership	Duration	Date
187	187	9	Finale	One year later, Dunder Mifflin employees past ...	9.8	10515	5.69	51	16 May 2013
77	77	5	Stress Relief	Dwight's too-realistic fire alarm gives Stanle...	9.7	8170	22.91	60	1 February 2009
137	137	7	Goodbye, Michael	As the office gets ready for Michael's final d...	9.8	8059	8.42	50	28 April 2011
59	59	4	Dinner Party	Michael invites Jim and Pam and Andy and Angel...	9.5	5601	9.22	30	10 April 2008
0	0	1	Pilot	The premiere episode introduces the boss and s...	7.5	4936	11.20	23	24 March 2005
132	132	7	Threat Level Midnight	Michael finally finishes his movie "Threat Lev...	9.4	4877	6.41	30	17 February 2011
1	1	1	Diversity Day	Michael's off color remark puts a sensitivity ...	8.3	4801	6.00	23	29 March 2005
27	27	2	Casino Night	The Dunder Mifflin crew holds a casino party a...	9.4	4765	7.60	29	11 May 2006
94	94	6	Niagara: Part 1	The Office travels to Niagara Falls to celebra...	9.4	4560	9.42	30	8 October 2009

	Unnamed: 0	Season	EpisodeTitle	About	Ratings	Votes	Viewership	Duration	Date
6	6	2	The Dundies	Very much unlike his staff, an overeager Micha...	8.7	4315	9.00	21	20 September 2005
17	17	2	The Injury	Michael's "injury" from a George Foreman Grill...	9.1	4314	10.30	22	12 January 2006
4	4	1	Basketball	Michael and his staff challenge the warehouse ...	8.4	4294	5.00	23	19 April 2005
28	28	3	Gay Witch Hunt	Michael apologizes to Oscar, after he finds ou...	9.0	4133	9.11	23	21 September 2006
2	2	1	Health Care	Michael leaves Dwight in charge of picking the...	7.8	4024	5.80	22	5 April 2005
64	64	4	Goodbye, Toby	Michael throws an extravagant going-away party...	9.3	3939	8.07	42	15 May 2008

In [ ]: