

In [18]: df.set_index('Rank')

Out[18]:

	Name	Industry	Revenue (USD millions)	Revenue growth	Employees	Headquarters
Kunk						
- 1	Welmart	Retail	811,289	6.7%	2,100,000	Benlonville, Arkansas
2	Amazon	Retail and cloud computing	513,983	9.4%	1,540,000	Seattle, Washington
3	ExxonMobil	Petroleum industry	413,680	44.8%	62,000	Spring, Texas
4	Apple	Electronics industry	394,328	7.8%	164,000	Cupertino, California
5	UnitedHealth Group	Healthcare	324,162	12.7%	400,000	Minnelonka, Minnesola
96	Best Buy	Retail	46,298	10.8%	71,100	Richfield, Minnesola
97	Bristol-Myers Squibb	Pharmaceutical industry	46,159	0.5%	34,300	New York City, New York
98	United Airlines	Airline	44,955	82.5%	92,795	Chicago, Illinois
22	Thermo Fisher Scientific	Laboratory instruments	44,915	14.5%	130,000	Welthern, Massachusella
100	Qualcomm	Technology	44,200	31.7%	51,000	San Diego, California

100 rows × 6 columns

In [38]: print(df.dtypes)

Rank object
Name object
Industry object
Revenue (USD millions) object
Revenue growth object
Employees object
Headquarters object

dtype: object

In [55]: df3 = df.copy()

In [118]: df3['Employees'] = df3['Employees'].replace(value = '', to_replace = '[^a-zA-28-9]', regex = True)

In [111]: df3['Revenue (USD millions)'] = df3['Revenue (USD millions)'].replace(value = '', to_replace = '[^a-zA-Z8-9]', regex = True)

In [112]: # df3['Revenue growth'] = df3['Revenue growth'].replace(value = '', to_replace = '['a-zA-28-9]', regex = True)

In [113]: df3['Employees'] = df3['Employees'].astype(int)

In [114]: df3['Revenue (USD millions)'] = df3['Revenue (USD millions)'].astype(int)

In [115]: # df3['Revenue growth'] = df3['Revenue growth'].astype(int)

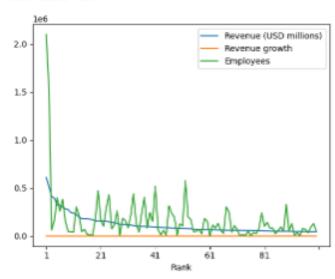
In [118]: from matplotlib import pyplot as plt
import numpy as np
In [119]: %matplotlib inline
In [128]: df= df3.copy()
In [121]: df=df.set_index('Rank')
In [122]: df.head()

Out[122]:

	Name	Industry	Revenue (USD millions)	Revenue growth	Employees	Headquarters
Rank						
- 1	Welmert	Retail	611289	67	2100000	Bentomille, Arkanaas
2	Amazon	Retail and cloud computing	513983	94	1540000	Seattle, Washington
3	ExxonMobil	Petroleum industry	413680	448	62000	Spring, Texas
4	Apple	Electronics industry	394328	78	164000	Cupertino, California
5	UnitedHealth Group	Healthcare	324162	127	400000	Minnetonka, Minnesota

In [123]: df.plot()

Out[123]: <Axes: xlabel='Rank'>



In []:

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In [140]: # df['Revenue growth'].plot(kind = 'Line')
df.plot(kind = 'bar', title = 'Employee vs Revenue')
df.plot(kind = 'hist', bins = 60)
df.plot.area(figsize = (20,7), title = 'Employees vs Revenues')
```

Jut[148]: cAxes: title=('center': 'Employees vs Revenues'), xlabel='Rank'>

