

In []:

In [1]: `import pandas as pd`In [2]: `data=pd.read_csv("/home/placement/Downloads/movies.csv")`In [3]: `data.describe()`

Out[3]:

	srno	year	rating	time
count	49590.000000	49590.000000	10814.000000	45836.000000
mean	24795.500000	2002.303428	3.451248	2628.445436
std	14315.544261	12.534555	0.495601	1604.646265
min	1.000000	1913.000000	1.400000	52.000000
25%	12398.250000	1999.000000	3.100000	1356.000000
50%	24795.500000	2007.000000	3.500000	2563.000000
75%	37192.750000	2010.000000	3.800000	2877.000000
max	49590.000000	2014.000000	4.500000	28813.000000

In [4]: `data.head()`

Out[4]:

	srno	movie	year	rating	time
0	1	The Nightmare Before	1993	3.9	4568.0
1	2	The Mummy	1932	3.5	4388.0
2	3	Orphans of the Storm	1921	3.2	9062.0
3	4	The Object of Beauty	1991	2.8	6150.0
4	5	Night Tide	1963	2.8	5126.0

In [5]: `data.tail(10)`

Out[5]:

	srno	movie	year	rating	time
49580	49581	Curious George: A Very Monkey Christmas	2009	3.8	3438.0
49581	49582	Mumfie's White Christmas	1996	2.4	1350.0
49582	49583	Lady Gaga & The Muppets' Holiday Spectacular	2013	3.1	3496.0
49583	49584	Sunset Strip	2012	3.0	5770.0
49584	49585	Silver Bells	2013	3.5	5287.0
49585	49586	Winter Wonderland	2013	2.8	1812.0
49586	49587	Top Gear: Series 19: Africa Special	2013	NaN	6822.0
49587	49588	Fireplace For Your Home: Crackling Fireplace w...	2010	NaN	3610.0
49588	49589	Kate Plus Ei8ht	2010	2.7	NaN
49589	49590	Kate Plus Ei8ht: Season 1	2010	2.7	NaN

In [6]: data.info

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Out[6]: <bound method DataFrame.info of
ng \
0      1      The Nightmare Before 1993      3.9
1      2      The Mummy 1932      3.5
2      3      Orphans of the Storm 1921      3.2
3      4      The Object of Beauty 1991      2.8
4      5      Night Tide 1963      2.8
...      ...
49585 49586      Winter Wonderland 2013      2.8
49586 49587      Top Gear: Series 19: Africa Special 2013      NaN
49587 49588      Fireplace For Your Home: Crackling Fireplace w... 2010      NaN
49588 49589      Kate Plus Ei8ht 2010      2.7
49589 49590      Kate Plus Ei8ht: Season 1 2010      2.7

      time
0      4568.0
1      4388.0
2      9062.0
3      6150.0
4      5126.0
...      ...
49585 1812.0
49586 6822.0
49587 3610.0
49588      NaN
49589      NaN

[49590 rows x 5 columns]>
```

In [7]: data1=data.loc[(data.rating>=3)&(data.year>2000)&(data.year<=2010)]

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In [8]: data1
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Out[8]:
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	srno	movie	year	rating	time
438	439	Monkeybone	2001	3.1	5561.0
507	508	Impostor	2001	3.4	6143.0
514	515	Hannibal	2001	3.6	7881.0
523	524	Blow Dry	2001	3.3	5420.0
541	542	Along Came a Spider	2001	3.7	6184.0
...
49320	49321	Dave Gorman Stand-Up. Live.	2010	3.4	5090.0
49333	49334	Frank Skinner Stand-Up: Live from Birmingham's...	2008	3.0	2900.0
49334	49335	Signing Time: Collection 1	2007	3.8	NaN
49394	49395	A Liga	2010	3.8	NaN
49580	49581	Curious George: A Very Monkey Christmas	2009	3.8	3438.0

4339 rows × 5 columns

```
In [9]: data2=data.loc[(data.year==2009)]
```

In [10]: data2

Out[10]:

	srno	movie	year	rating	time
4990	4991	Loose Change 9 11: An American Coup	2009	3.8	5910.0
6563	6564	Chéri	2009	3.0	5548.0
6564	6565	The Messenger	2009	3.5	6778.0
6566	6567	Perrier's Bounty	2009	3.3	5268.0
6570	6571	Cook County	2009	3.5	5638.0
...
48844	48845	Gang Wars	2009	3.6	NaN
48852	48853	Monsters Inside Me	2009	3.8	NaN
48854	48855	Pit Bulls & Parolees	2009	4.3	NaN
49498	49499	Chanbara Beauty: The Movie - Vortex	2009	2.4	5314.0
49580	49581	Curious George: A Very Monkey Christmas	2009	3.8	3438.0

4451 rows × 5 columns

In []: