```
import sqlite3 as lib
from sqlite3 import *
import sqlite
import numpy as np
from numpy import *
import pandas as pd
from pandas import *
import matplotlib as mpl
import matplotlib.pyplot as plt
```

```
pd.set_option('display.max_colwidth', None)
```

```
df_ua_log=pd.read_table('data_ua_apache_log.log',sep=' ',names=['column_price',
'column_id',
'column_ip',
'column_date',
'column_time',
'column_zone',
'column_get',
'column_path',
'column_protocol',
'column_code',
'column_size',
'column_referer',
'column_ua'])
```

	column_price	column_id	column_ip	column_date	column_time	column_zone	column_get	column_path	column_protocol	column_code	column_size	column_referer	column_ua
0	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
1	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
2	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
3	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
4	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
5	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
6	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
7	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
8	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
9	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
10	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
11	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
12	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
13	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
14	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
15	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
16	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
17	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
18	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
19	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
20	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
21	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
22	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
23	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
24	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
25	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
26	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
27	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
28	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
29	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
30	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
31	www.abvkamu.com	66.249.76.224	[29/Apr/2015:00:00:00	+0300] "GET	/?artist=Aerosmith&year=Year+Unknown&genre=Hard+Rock&page=1&sort=Popularity&order=Ascending HTTP/1.1"	200	6287	"-"	"Mozilla/5.0 (compatible; Google+ Page Preview Proxy; +http://www.google.com/bot.html)"	www.abvkamu.com	66.249.76.224		
32	www.abvkamu.com	66.249.76.224	[29/Apr/2015:00:00:00	+0300] "GET	/?artist=Aerosmith&year=Year+Unknown&genre=Hard+Rock&page=2&sort=Popularity&order=Ascending HTTP/1.1"	200	6287	"-"	"Mozilla/5.0 (compatible; Google+ Page Preview Proxy; +http://www.google.com/bot.html)"	www.abvkamu.com	66.249.76.224		
33	www.abvkamu.com	66.249.76.224	[29/Apr/2015:00:00:00	+0300] "GET	/?artist=Aerosmith&year=Year+Unknown&genre=Hard+Rock&page=3&sort=Popularity&order=Ascending HTTP/1.1"	200	6287	"-"	"Mozilla/5.0 (compatible; Google+ Page Preview Proxy; +http://www.google.com/bot.html)"	www.abvkamu.com	66.249.76.224		
34	www.abvkamu.com	66.249.76.224	[29/Apr/2015:00:00:00	+0300] "GET	/?artist=Aerosmith&year=Year+Unknown&genre=Hard+Rock&page=4&sort=Popularity&order=Ascending HTTP/1.1"	200	6287	"-"	"Mozilla/5.0 (compatible; Google+ Page Preview Proxy; +http://www.google.com/bot.html)"	www.abvkamu.com	66.249.76.224		
35	www.abvkamu.com	66.249.76.224	[29/Apr/2015:00:00:00	+0300] "GET	/?artist=Aerosmith&year=Year+Unknown&genre=Hard+Rock&page=5&sort=Popularity&order=Ascending HTTP/1.1"	200	6287	"-"	"Mozilla/5.0 (compatible; Google+ Page Preview Proxy; +http://www.google.com/bot.html)"	www.abvkamu.com	66.249.76.224		

```
df_ua_log.shape
```

```
(36,13)
```

```
df_ua_log[['column_price', 'column_id', 'column_ip', 'column_date', 'column_time', 'column_zone', 'column_get', 'column_path', 'column_protocol', 'column_code', 'column_size', 'column_referer', 'column_ua']].head(36)
```

	column_price	column_id	column_ip	column_date	column_time	column_zone	column_get	column_path	column_protocol	column_code	column_size	column_referer	column_ua
0	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
1	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
2	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
3	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
4	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
5	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
6	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
7	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
8	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
9	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
10	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
11	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
12	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
13	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
14	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
15	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
16	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
17	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
18	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
19	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
20	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
21	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
22	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
23	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
24	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
25	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
26	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
27	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
28	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
29	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
30	localhost	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200	-	"Apache (internal dummy connection)"	/robots.t	HTTP/1.1	200	0	-	"Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
31	www.abvkamu.com	66.249.76.224	[29/Apr/2015:00:00:00	+0300] "GET	/?artist=Aerosmith&year=Year+Unknown&genre=Hard+Rock&page=1&sort=Popularity&order=Ascending HTTP/1.1"	200	6287	"-"	"Mozilla/5.0 (compatible; Google+ Page Preview Proxy; +http://www.google.com/bot.html)"	www.abvkamu.com	66.249.76.224		
32	www.abvkamu.com	66.249.76.224	[29/Apr/2015:00:00:00	+0300] "GET	/?artist=Aerosmith&year=Year+Unknown&genre=Hard+Rock&page=2&sort=Popularity&order=Ascending HTTP/1.1"	200	6287	"-"	"Mozilla/5.0 (compatible; Google+ Page Preview Proxy; +http://www.google.com/bot.html)"	www.abvkamu.com	66.249.76.224		
33	www.abvkamu.com	66.249.76.224	[29/Apr/2015:00:00:00	+0300] "GET	/?artist=Aerosmith&year=Year+Unknown&genre=Hard+Rock&page=3&sort=Popularity&order=Ascending HTTP/1.1"	200	6287	"-"	"Mozilla/5.0 (compatible; Google+ Page Preview Proxy; +http://www.google.com/bot.html)"	www.abvkamu.com	66.249.76.224		
34	www.abvkamu.com	66.249.76.224	[29/Apr/2015:00:00:00	+0300] "GET	/?artist=Aerosmith&year=Year+Unknown&genre=Hard+Rock&page=4&sort=Popularity&order=Ascending HTTP/1.1"	200	6287	"-"	"Mozilla/5.0 (compatible; Google+ Page Preview Proxy; +http://www.google.com/bot.html)"	www.abvkamu.com	66.249.76.224		
35	www.abvkamu.com	66.249.76.224	[29/Apr/2015:00:00:00	+0300] "GET	/?artist=Aerosmith&year=Year+Unknown&genre=Hard+Rock&page=5&sort=Popularity&order=Ascending HTTP/1.1"	200	6287	"-"	"Mozilla/5.0 (compatible; Google+ Page Preview Proxy; +http://www.google.com/bot.html)"	www.abvkamu.com	66.249.76.224		

```
df_ua_log[['column_id', 'column_ip']].head(36)
```

	column_id	column_ip
0	UT-5-1	[29/Apr/2015:00:00:00
1	UT-5-1	[29/Apr/2015:00:00:00
2	UT-5-1	[29/Apr/2015:00:00:00
3	UT-5-1	[29/Apr/2015:00:00:00
4	UT-5-1	[29/Apr/2015:00:00:00
5	UT-5-1	[29/Apr/2015:00:00:00
6	UT-5-1	[29/Apr/2015:00:00:00
7	UT-5-1	[29/Apr/2015:00:00:00
8	UT-5-1	[29/Apr/2015:00:00:00
9	UT-5-1	[29/Apr/2015:00:00:00
10	UT-5-1	[29/Apr/2015:00:00:00
11	UT-5-1	[29/Apr/2015:00:00:00
12	UT-5-1	[29/Apr/2015:00:00:00
13	UT-5-1	[29/Apr/2015:00:00:00
14	UT-5-1	[29/Apr/2015:00:00:00
15	UT-5-1	[29/Apr/2015:00:00:00
16	UT-5-1	[29/Apr/2015:00:00:00
17	UT-5-1	[29/Apr/2015:00:00:00
18	UT-5-1	[29/Apr/2015:00:00:00
19	UT-5-1	[29/Apr/2015:00:00:00
20	UT-5-1	[29/Apr/2015:00:00:00
21	UT-5-1	[29/Apr/2015:00:00:00
22	UT-5-1	[29/Apr/2015:00:00:00
23	UT-5-1	[29/Apr/2015:00:00:00
24	UT-5-1	[29/Apr/2015:00:00:00
25	UT-5-1	[29/Apr/2015:00:00:00
26	UT-5-1	[29/Apr/2015:00:00:00
27	UT-5-1	[29/Apr/2015:00:00:00
28	UT-5-1	[29/Apr/2015:00:00:00
29	UT-5-1	[29/Apr/2015:00:00:00
30	UT-5-1	[29/Apr/2015:00:00:00
31	UT-5-1	[29/Apr/2015:00:00:00
32	UT-5-1	[29/Apr/2015:00:00:00
33	UT-5-1	[29/Apr/2015:00:00:00
34	UT-5-1	[29/Apr/2015:00:00:00
35	UT-5-1	[29/Apr/2015:00:00:00

```
df_ua_log[['column_id', 'column_ip', 'column_date']].head(36)
```

	column_id	column_ip	column_date
0	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS
1	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS
2	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS
3	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS
4	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS
5	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS
6	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS
7	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS
8	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS
9	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS
10	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS
11	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS
12	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS
13	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS
14	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS
15	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS
16	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS
17	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS
18	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS
19	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS
20	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS
21	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS
22	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS
23	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS
24	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS
25	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS
26	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS
27	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS
28	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS
29	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS
30	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS
31	UT-5-1	[29/Apr/2015:00:00:00	+0300] "GET
32	UT-5-1	[29/Apr/2015:00:00:00	+0300] "GET
33	UT-5-1	[29/Apr/2015:00:00:00	+0300] "GET
34	UT-5-1	[29/Apr/2015:00:00:00	+0300] "GET
35	UT-5-1	[29/Apr/2015:00:00:00	+0300] "GET

```
df_ua_log[['column_id', 'column_ip', 'column_date', 'column_time']].head(36)
```

	column_id	column_ip	column_date	column_time
0	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200
1	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200
2	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200
3	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200
4	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200
5	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200
6	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200
7	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200
8	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200
9	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200
10	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200
11	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200
12	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200
13	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200
14	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200
15	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200
16	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200
17	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200
18	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200
19	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200
20	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200
21	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200
22	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200
23	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200
24	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200
25	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200
26	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200
27	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200
28	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200
29	UT-5-1	[29/Apr/2015:00:00:00	+0300] "OPTIONS	HTTP/1.1" 200
30	UT-5-1	[29/Apr/2015: