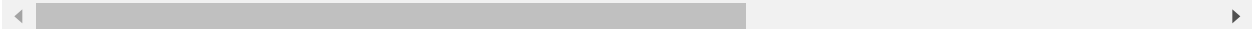


```
In [32]: import pandas as pd
df=pd.read_csv('employees (1).csv')
df.head()
```

Out[32]:

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB
0	198	Donald	OConnell	DOCONNEL	650.507.9833	21-JUN-07	SH_CLE
1	199	Douglas	Grant	DGRANT	650.507.9844	13-JAN-08	SH_CLE
2	200	Jennifer	Whalen	JWHALEN	515.123.4444	17-SEP-03	AD_AS
3	201	Michael	Hartstein	MHARTSTE	515.123.5555	17-FEB-04	MK_M
4	202	Pat	Fay	PFAY	603.123.6666	17-AUG-05	MK_F

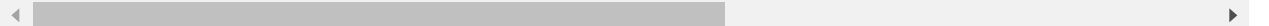


In [39]: df

Out[39]:

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	
0	198	Donald	OConnell	DOCONNEL	650.507.9833	21-JUN-07	SH
1	199	Douglas	Grant	DGRANT	650.507.9844	13-JAN-08	SH
2	200	Jennifer	Whalen	JWHALEN	515.123.4444	17-SEP-03	A
3	201	Michael	Hartstein	MHARTSTE	515.123.5555	17-FEB-04	M
4	202	Pat	Fay	PFAY	603.123.6666	17-AUG-05	I
5	203	Susan	Mavris	SMAVRIS	515.123.7777	07-JUN-02	I
6	204	Hermann	Baer	HBAER	515.123.8888	07-JUN-02	
7	205	Shelley	Higgins	SHIGGINS	515.123.8080	07-JUN-02	/
8	206	William	Gietz	WGIEZT	515.123.8181	07-JUN-02	AC_AC
9	100	Steven	King	SKING	515.123.4567	17-JUN-03	A
10	101	Neena	Kochhar	NKOCHHAR	515.123.4568	21-SEP-05	
11	102	Lex	De Haan	LDEHAAN	515.123.4569	13-JAN-01	
12	103	Alexander	Hunold	AHUNOLD	590.423.4567	03-JAN-06	I
13	104	Bruce	Ernst	BERNST	590.423.4568	21-MAY-07	I
14	105	David	Austin	DAUSTIN	590.423.4569	25-JUN-05	I
15	106	Valli	Pataballa	VPATABAL	590.423.4560	05-FEB-06	I
16	107	Diana	Lorentz	DLORENTZ	590.423.5567	07-FEB-07	I
17	108	Nancy	Greenberg	NGREENBE	515.124.4569	17-AUG-02	
18	109	Daniel	Faviet	DFAVIET	515.124.4169	16-AUG-02	FI_AC
19	110	John	Chen	JCHEN	515.124.4269	28-SEP-05	FI_AC
20	111	Ismael	Sciarra	ISCIARRA	515.124.4369	30-SEP-05	FI_AC
21	112	Jose Manuel	Urman	JMURMAN	515.124.4469	07-MAR-06	FI_AC
22	113	Luis	Popp	LPOPP	515.124.4567	07-DEC-07	FI_AC
23	114	Den	Raphaely	DRAPHEAL	515.127.4561	07-DEC-02	I
24	115	Alexander	Khoo	AKHOO	515.127.4562	18-MAY-03	PU
25	116	Shelli	Baida	SBAIDA	515.127.4563	24-DEC-05	PU
26	117	Sigal	Tobias	STOBIAS	515.127.4564	24-JUL-05	PU
27	118	Guy	Himuro	GHIMURO	515.127.4565	15-NOV-06	PU
28	119	Karen	Colmenares	KCOLMENA	515.127.4566	10-AUG-07	PU
29	120	Matthew	Weiss	MWEISS	650.123.1234	18-JUL-04	:
30	121	Adam	Fripp	AFRIPP	650.123.2234	10-APR-05	:
31	122	Payam	Kaufling	PKAUFLIN	650.123.3234	01-MAY-03	:
32	123	Shanta	Vollman	SVOLLMAN	650.123.4234	10-OCT-05	:
33	124	Kevin	Mourgos	KMOURGOS	650.123.5234	16-NOV-07	:
34	125	Julia	Nayer	JNAYER	650.124.1214	16-JUL-05	ST

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	
35	126	Irene	Mikkilineni	IMIKKILI	650.124.1224	28-SEP-06	ST
36	127	James	Landry	JLANDRY	650.124.1334	14-JAN-07	ST
37	128	Steven	Markle	SMARKLE	650.124.1434	08-MAR-08	ST
38	129	Laura	Bissot	LBISSOT	650.124.5234	20-AUG-05	ST
39	130	Mozhe	Atkinson	MATKINSO	650.124.6234	30-OCT-05	ST
40	131	James	Marlow	JAMRLOW	650.124.7234	16-FEB-05	ST
41	132	TJ	Olson	TJOLSON	650.124.8234	10-APR-07	ST
42	133	Jason	Mallin	JMALLIN	650.127.1934	14-JUN-04	ST
43	134	Michael	Rogers	MROGERS	650.127.1834	26-AUG-06	ST
44	135	Ki	Gee	KGEE	650.127.1734	12-DEC-07	ST
45	136	Hazel	Philtanker	HPHILTAN	650.127.1634	06-FEB-08	ST
46	137	Renske	Ladwig	RLADWIG	650.121.1234	14-JUL-03	ST
47	138	Stephen	Stiles	SSTILES	650.121.2034	26-OCT-05	ST
48	139	John	Seo	JSEO	650.121.2019	12-FEB-06	ST
49	140	Joshua	Patel	JPATEL	650.121.1834	06-APR-06	ST



```
In [34]: df["EMAIL"]=="DGRANT"
```

```
Out[34]: 0      False
          1       True
          2      False
          3      False
          4      False
          5      False
          6      False
          7      False
          8      False
          9      False
         10      False
         11      False
         12      False
         13      False
         14      False
         15      False
         16      False
         17      False
         18      False
         19      False
         20      False
         21      False
         22      False
         23      False
         24      False
         25      False
         26      False
         27      False
         28      False
         29      False
         30      False
         31      False
         32      False
         33      False
         34      False
         35      False
         36      False
         37      False
         38      False
         39      False
         40      False
         41      False
         42      False
         43      False
         44      False
         45      False
         46      False
         47      False
         48      False
         49      False
          Name: EMAIL, dtype: bool
```

```
In [41]: df["EMAIL"]=="SKING"
```

```
Out[41]: 0      False
1      False
2      False
3      False
4      False
5      False
6      False
7      False
8      False
9       True
10     False
11     False
12     False
13     False
14     False
15     False
16     False
17     False
18     False
19     False
20     False
21     False
22     False
23     False
24     False
25     False
26     False
27     False
28     False
29     False
30     False
31     False
32     False
33     False
34     False
35     False
36     False
37     False
38     False
39     False
40     False
41     False
42     False
43     False
44     False
45     False
46     False
47     False
48     False
49     False
Name: EMAIL, dtype: bool
```

```
In [37]: df[df["JOB_ID"]!="ST_CLERK"]
```

```
Out[37]:
```

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	
0	198	Donald	OConnell	DOCONNEL	650.507.9833	21-JUN-07	SH
1	199	Douglas	Grant	DGRANT	650.507.9844	13-JAN-08	SH
2	200	Jennifer	Whalen	JWHALEN	515.123.4444	17-SEP-03	A
3	201	Michael	Hartstein	MHARTSTE	515.123.5555	17-FEB-04	M
4	202	Pat	Fay	PFAY	603.123.6666	17-AUG-05	I
5	203	Susan	Mavris	SMAVRIS	515.123.7777	07-JUN-02	I
6	204	Hermann	Baer	HBAER	515.123.8888	07-JUN-02	
7	205	Shelley	Higgins	SHIGGINS	515.123.8080	07-JUN-02	/
8	206	William	Gietz	WGIEZT	515.123.8181	07-JUN-02	AC_AC
9	100	Steven	King	SKING	515.123.4567	17-JUN-03	A
10	101	Neena	Kochhar	NKOCHHAR	515.123.4568	21-SEP-05	
11	102	Lex	De Haan	LDEHAAN	515.123.4569	13-JAN-01	
12	103	Alexander	Hunold	AHUNOLD	590.423.4567	03-JAN-06	I
13	104	Bruce	Ernst	BERNST	590.423.4568	21-MAY-07	I
14	105	David	Austin	DAUSTIN	590.423.4569	25-JUN-05	I
15	106	Valli	Pataballa	VPATABAL	590.423.4560	05-FEB-06	I
16	107	Diana	Lorentz	DLORENTZ	590.423.5567	07-FEB-07	I
17	108	Nancy	Greenberg	NGREENBE	515.124.4569	17-AUG-02	
18	109	Daniel	Faviet	DFAVIET	515.124.4169	16-AUG-02	FI_AC
19	110	John	Chen	JCHEN	515.124.4269	28-SEP-05	FI_AC
20	111	Ismael	Sciarra	ISCIARRA	515.124.4369	30-SEP-05	FI_AC
21	112	Jose Manuel	Urman	JMURMAN	515.124.4469	07-MAR-06	FI_AC
22	113	Luis	Popp	LPOPP	515.124.4567	07-DEC-07	FI_AC
23	114	Den	Raphaely	DRAPHEAL	515.127.4561	07-DEC-02	I
24	115	Alexander	Khoo	AKHOO	515.127.4562	18-MAY-03	PU
25	116	Shelli	Baida	SBAIDA	515.127.4563	24-DEC-05	PU
26	117	Sigal	Tobias	STOBIAS	515.127.4564	24-JUL-05	PU
27	118	Guy	Himuro	GHIMURO	515.127.4565	15-NOV-06	PU
28	119	Karen	Colmenares	KCOLMENA	515.127.4566	10-AUG-07	PU
29	120	Matthew	Weiss	MWEISS	650.123.1234	18-JUL-04	:
30	121	Adam	Fripp	AFRIPP	650.123.2234	10-APR-05	:
31	122	Payam	Kaufling	PKAUFLIN	650.123.3234	01-MAY-03	:
32	123	Shanta	Vollman	SVOLLMAN	650.123.4234	10-OCT-05	:
33	124	Kevin	Mourgos	KMOURGOS	650.123.5234	16-NOV-07	:

In [38]:

df[df["SALARY"]==2600]

Out[38]:

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB
0	198	Donald	OConnell	DOCONNEL	650.507.9833	21-JUN-07	SH_CL
1	199	Douglas	Grant	DGRANT	650.507.9844	13-JAN-08	SH_CL
27	118	Guy	Himuro	GHIMURO	515.127.4565	15-NOV-06	PU_CL

In [40]: df

Out[40]:

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	
0	198	Donald	OConnell	DOCONNEL	650.507.9833	21-JUN-07	
1	199	Douglas	Grant	DGRANT	650.507.9844	13-JAN-08	
2	200	Jennifer	Whalen	JWHALEN	515.123.4444	17-SEP-03	
3	201	Michael	Hartstein	MHARTSTE	515.123.5555	17-FEB-04	
4	202	Pat	Fay	PFAY	603.123.6666	17-AUG-05	
5	203	Susan	Mavris	SMAVRIS	515.123.7777	07-JUN-02	
6	204	Hermann	Baer	HBAER	515.123.8888	07-JUN-02	
7	205	Shelley	Higgins	SHIGGINS	515.123.8080	07-JUN-02	
8	206	William	Gietz	WGIEZT	515.123.8181	07-JUN-02	AC
9	100	Steven	King	SKING	515.123.4567	17-JUN-03	
10	101	Neena	Kochhar	NKOCHHAR	515.123.4568	21-SEP-05	
11	102	Lex	De Haan	LDEHAAN	515.123.4569	13-JAN-01	
12	103	Alexander	Hunold	AHUNOLD	590.423.4567	03-JAN-06	
13	104	Bruce	Ernst	BERNST	590.423.4568	21-MAY-07	
14	105	David	Austin	DAUSTIN	590.423.4569	25-JUN-05	
15	106	Valli	Pataballa	VPATABAL	590.423.4560	05-FEB-06	
16	107	Diana	Lorentz	DLORENTZ	590.423.5567	07-FEB-07	
17	108	Nancy	Greenberg	NGREENBE	515.124.4569	17-AUG-02	
18	109	Daniel	Faviet	DFAVIET	515.124.4169	16-AUG-02	FI
19	110	John	Chen	JCHEN	515.124.4269	28-SEP-05	FI
20	111	Ismael	Sciarra	ISCIARRA	515.124.4369	30-SEP-05	FI
21	112	Jose Manuel	Urman	JMURMAN	515.124.4469	07-MAR-06	FI
22	113	Luis	Popp	LPOPP	515.124.4567	07-DEC-07	FI
23	114	Den	Raphaely	DRAPHEAL	515.127.4561	07-DEC-02	
24	115	Alexander	Khoo	AKHOO	515.127.4562	18-MAY-03	
25	116	Shelli	Baida	SBAIDA	515.127.4563	24-DEC-05	
26	117	Sigal	Tobias	STOBIAS	515.127.4564	24-JUL-05	
27	118	Guy	Himuro	GHIMURO	515.127.4565	15-NOV-06	
28	119	Karen	Colmenares	KCOLMENA	515.127.4566	10-AUG-07	
29	120	Matthew	Weiss	MWEISS	650.123.1234	18-JUL-04	
30	121	Adam	Fripp	AFRIPP	650.123.2234	10-APR-05	
31	122	Payam	Kaufling	PKAUFLIN	650.123.3234	01-MAY-03	
32	123	Shanta	Vollman	SVOLLMAN	650.123.4234	10-OCT-05	
33	124	Kevin	Mourgos	KMOURGOS	650.123.5234	16-NOV-07	

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE
34	125	Julia	Nayer	JNAYER	650.124.1214	16-JUL-05
35	126	Irene	Mikkilineni	IMIKKILI	650.124.1224	28-SEP-06
36	127	James	Landry	JLANDRY	650.124.1334	14-JAN-07
37	128	Steven	Markle	SMARKLE	650.124.1434	08-MAR-08
38	129	Laura	Bissot	LBISSOT	650.124.5234	20-AUG-05
39	130	Mozhe	Atkinson	MATKINSO	650.124.6234	30-OCT-05
40	131	James	Marlow	JAMRLOW	650.124.7234	16-FEB-05
41	132	TJ	Olson	TJOLSON	650.124.8234	10-APR-07
42	133	Jason	Mallin	JMALLIN	650.127.1934	14-JUN-04
43	134	Michael	Rogers	MROGERS	650.127.1834	26-AUG-06
44	135	Ki	Gee	KGEE	650.127.1734	12-DEC-07
45	136	Hazel	Philtanker	HPHILTAN	650.127.1634	06-FEB-08
46	137	Renske	Ladwig	RLADWIG	650.121.1234	14-JUL-03
47	138	Stephen	Stiles	SSTILES	650.121.2034	26-OCT-05
48	139	John	Seo	JSEO	650.121.2019	12-FEB-06
49	140	Joshua	Patel	JPATEL	650.121.1834	06-APR-06

In []: