

```
In [13]: import pandas as pd

df = pd.read_csv('D:\\passport.csv')

print(df.to_string())
```

	s.no	name	dob	gender	age	adress	having passport or not	having
0	1	sowmya	11-03-03	female	21	gwk	yes	
							no	
1	2	ramya	12-01-00	female	21	gwk	yes	
							no	
2	3	navya	13-03-03	female	21	gwk	yes	
							no	
3	4	nehal	14-03-03	female	21	gwk	yes	
							no	
4	5	yathesha	15-03-03	female	21	vskp	yes	
							no	
5	6	divya	16-03-03	female	21	guntoor	yes	
							yes	
6	7	yamini	17-03-03	female	21	hyd	yes	
							yes	
7	8	aruna	18-03-03	female	21	bangkok	yes	
							no	
8	9	jyo	19-03-03	female	21	goa	yes	
							no	
9	10	jyothi	20-03-03	female	21	rajam	yes	
							no	

```
In [3]: import pandas as pd

df = pd.read_csv('D:\\passport.csv')
df.aggregate({"age": ['max', 'min']})
```

```
Out[3]:
```

	age
max	21
min	21

```
In [4]: import pandas as pd

df = pd.read_csv('D:\\passport.csv')
df.aggregate({"age": ['mean']})
```

```
Out[4]:
```

	age
mean	21.0

```
In [5]: import pandas as pd

df = pd.read_csv('D:\\passport.csv')
df.aggreate({"age": ['sum']})
```

```
Out[5]:
```

	age
sum	210

```
In [7]: import pandas as pd

df = pd.read_csv('D:\\passport.csv')
df.aggreate({"s.no": ['max']})
```

```
Out[7]:
```

	s.no
max	10

```
In [8]: import pandas as pd

df = pd.read_csv('D:\\data.csv')

print(df.to_string())
```

	s.no	name	age	gender	adress	ph.no	eamil
0	1	sowmya	18	female	gwk	9231544568	ssirapar@gitam.in
1	2	ramya	12	female	gwk	9231544568	ssirapar@gitam.in
2	3	navya	13	female	gwk	9231544568	ssirapar@gitam.in
3	4	nehal	14	female	gwk	9231544568	ssirapar@gitam.in
4	5	yathesha	15	female	gwk	9231544568	ssirapar@gitam.in
5	6	divya	16	female	gwk	9231544568	ssirapar@gitam.in
6	7	yamini	18	female	gwk	9231544568	ssirapar@gitam.in
7	8	aruna	13	female	gwk	9231544568	ssirapar@gitam.in
8	9	jyo	13	female	gwk	9231544568	ssirapar@gitam.in
9	10	jyothi	14	female	gwk	9231544568	ssirapar@gitam.in
10	11	kumari	13	female	gwk	9231544568	ssirapar@gitam.in
11	12	likitha	17	female	gwk	9231544568	ssirapar@gitam.in
12	13	bhagya	37	male	gwk	9231544568	ssirapar@gitam.in
13	14	praveen	48	male	gwk	9231544568	ssirapar@gitam.in
14	15	lavanya	25	male	gwk	9231544568	ssirapar@gitam.in
15	16	vasu	12	male	gwk	9231544568	ssirapar@gitam.in
16	17	ramu	21	male	gwk	9231544568	ssirapar@gitam.in
17	18	syamala	23	male	gwk	9231544568	ssirapar@gitam.in
18	19	bujji	34	male	gwk	9231544568	ssirapar@gitam.in
19	20	shiva	13	male	gwk	9231544568	ssirapar@gitam.in

```
In [10]: import pandas as pd
df = pd.read_csv('D:\\passport.csv')
print(df.to_string())
de=df.drop_duplicates(subset="gender")
print(de)
```

	s.no	name	dob	gender	age	adress	having passport or not
0	1	sowmya	11-03-03	female	21	gwk	yes
1	2	ramya	12-01-00	female	21	gwk	yes
2	3	navya	13-03-03	female	21	gwk	yes
3	4	nehal	14-03-03	female	21	gwk	yes
4	5	yathesha	15-03-03	female	21	vskp	yes
5	6	divya	16-03-03	female	21	guntoor	yes
6	7	yamini	17-03-03	female	21	hyd	yes
7	8	aruna	18-03-03	female	21	bangkok	yes
8	9	jyo	19-03-03	female	21	goa	yes
9	10	jyothi	20-03-03	female	21	rajam	yes

  

	s.no	name	dob	gender	age	adress	having passport or not
0	1	sowmya	11-03-03	female	21	gwk	yes

  

	having liscence or not
0	no

```
In [19]: a=df.groupby(by=["having liscence or not"])
print(pd.DataFrame(a))
a.first()
```

	0	1
0	no	s.no
1	yes	s.no

```
Out[19]:
```

	s.no	name	dob	gender	age	adress	having passport or not
having liscence or not							
no	1	sowmya	11-03-03	female	21	gwk	yes
yes	6	divya	16-03-03	female	21	guntoor	yes

```
In [21]: a=df.groupby(by=['adress', 'name'])
a.first()
```

```
Out[21]:
```

	s.no	dob	gender	age	having passport or not	having liscence or not	
adress	name						
bangkok	aruna	8	18-03-03	female	21	yes	no
goa	jyo	9	19-03-03	female	21	yes	no
guntoor	divya	6	16-03-03	female	21	yes	yes
	navya	3	13-03-03	female	21	yes	no
	nehal	4	14-03-03	female	21	yes	no
gwk	ramya	2	12-01-00	female	21	yes	no
	sowmya	1	11-03-03	female	21	yes	no
hyd	yamini	7	17-03-03	female	21	yes	yes
rajam	jyothi	10	20-03-03	female	21	yes	no
vskp	yathesha	5	15-03-03	female	21	yes	no

```
In [24]: import pandas as pd

df = pd.read_csv('D:\\passport.csv')

print(df.to_string())
```

	s.no	name	dob	gender	age	adress	having passport or not	having liscence or not
0	1	sowmya	11-03-03	female	21	gwk	yes	no
1	2	ramya	12-01-00	female	21	gwk	yes	no
2	3	navya	13-03-03	female	21	gwk	yes	no
3	4	nehal	14-03-03	female	21	gwk	yes	no
4	5	yathesha	15-03-03	female	21	vskp	yes	no
5	6	divya	16-03-03	female	21	guntoor	yes	yes
6	7	yamini	17-03-03	female	21	hyd	yes	yes
7	8	aruna	18-03-03	female	21	bangkok	yes	no
8	9	jyo	19-03-03	female	21	goa	yes	no
9	10	jyothi	20-03-03	female	21	rajam	yes	no

```
In [34]: a=df.groupby(by=['dpt','name','gender'])
a.first()
```

Out[34]:

			s.no	dob	age	adress	having passport or not	having liscence or not
dpt	name	gender						
bio	jyo	female	9	19-03-03	21	goa	yes	no
	yamini	female	7	17-03-03	21	hyd	yes	yes
	divya	female	6	16-03-03	21	guntoor	yes	yes
cse	ramya	female	2	12-01-00	21	gwk	yes	no
	sowmya	female	1	11-03-03	21	gwk	yes	no
	jyothi	female	10	20-03-03	21	rajam	yes	no
ece	nehal	female	4	14-03-03	21	gwk	yes	no
	yathesha	female	5	15-03-03	21	vskp	yes	no
	aruna	female	8	18-03-03	21	bangkok	yes	no
mech	navya	female	3	13-03-03	21	gwk	yes	no

```
In [36]: import pandas as pd

df = pd.read_csv('D:\\passport.csv')

print(df.to_string())
a=df.groupby(by=['dpt', 'name', 'gender'])
a.first()
```

	s.no	name	dob	gender	age	adress	having passport or not	having liscence or not
0	1	sowmya	11-03-03	female	21	gwk	yes	
no	cse							
1	2	ramya	12-01-00	male	21	gwk	yes	
no	cse							
2	3	navya	13-03-03	male	21	gwk	yes	
no	mech							
3	4	nehal	14-03-03	male	21	gwk	yes	
no	ece							
4	5	yathesha	15-03-03	female	21	vskp	yes	
no	ece							
5	6	divya	16-03-03	female	21	guntoor	yes	
yes	cse							
6	7	yamini	17-03-03	female	21	hyd	yes	
yes	bio							
7	8	aruna	18-03-03	female	21	bangkok	yes	
no	mech							
8	9	jyo	19-03-03	female	21	goa	yes	
no	bio							
9	10	jyothi	20-03-03	female	21	rajam	yes	
no	ece							

Out[36]:

	dpt	name	gender	s.no	dob	age	adress	having passport or not	having liscence or not
bio		jyo	female	9	19-03-03	21	goa	yes	no
		yamini	female	7	17-03-03	21	hyd	yes	yes
		divya	female	6	16-03-03	21	guntoor	yes	yes
cse		ramya	male	2	12-01-00	21	gwk	yes	no
		sowmya	female	1	11-03-03	21	gwk	yes	no
ece		jyothi	female	10	20-03-03	21	rajam	yes	no
		nehal	male	4	14-03-03	21	gwk	yes	no
		yathesha	female	5	15-03-03	21	vskp	yes	no
mech		aruna	female	8	18-03-03	21	bangkok	yes	no

			s.no	dob	age	adress	having passport or not	having liscence or not
dpt	name	gender						
	navya	male	3	13-03-03	21	gwk	yes	no

In [ ]: