

In [25]:

```

1 import pandas as pd
2 df=pd.read_csv('E:\\details4.csv')
3 print(df.to_string())

```

Ph.no	Name	Age	Gender	DOB	Passport(y/n)	Driving	Lisence(y/n)
0 64534530	Rocky	28	M	13-06-94	Y	Y	34
1 41351235	Reena	24	F	18-08-96	Y	Y	46
2 50434333	Garuda	44	M	19-08-96	N	Y	44
3 34567890	Rajendra Desai	52	M	20-08-96	Y	N	12
4 76543215	Andrews	51	M	21-08-96	Y	Y	98
5 56786543	Adheera	59	M	22-08-96	Y	Y	34
6 46554245	Guru Panday	60	M	23-08-96	Y	Y	35
7 43674635	Ramika Sen	55	F	24-08-96	Y	Y	32
8 43543546	Surya Vardhan	66	M	25-08-96	N	Y	43
9 22635828	Rocky	32	M	26-08-96	Y	Y	23
10 43753928	Reena	46	M	27-08-96	Y	N	24
11 67537538	Garuda	57	M	28-08-96	Y	Y	25
12 76876780	Bairya	28	M	29-08-96	N	Y	28
13 45643673	Chacha	59	M	30-08-96	Y	Y	63
14 67386279	Anand	62	M	31-08-96	Y	N	34
15 98768768	Deepa	42	F	01-09-96	Y	Y	45
16 87567477	Daya	38	M	02-09-96	Y	Y	65
17 36585856	Kamal	33	M	03-09-96	Y	Y	74
18 34354354	Vanaram	54	M	04-09-96	N	N	87
19 84341787	Kalashnikov	47	M	05-09-96	N	N	57

In [26]:

```

1 import pandas as pd
2 df=pd.read_csv('E:\\details4.csv')
3 print(df.to_string())
4 df.aggregate({"Age":["min','max','sum','average']})

```

Ph.no	Name	Age	Gender	DOB	Passport(y/n)	Driving	Lisence(y/n)
0	Rocky	28	M	13-06-94	Y		Y 34
64534530							
1	Reena	24	F	18-08-96	Y		Y 46
41351235							
2	Garuda	44	M	19-08-96	N		Y 44
50434333							
3	Rajendra Desai	52	M	20-08-96	Y		N 12
34567890							
4	Andrews	51	M	21-08-96	Y		Y 98
76543215							
5	Adheera	59	M	22-08-96	Y		Y 34
56786543							
6	Guru Panday	60	M	23-08-96	Y		Y 35
46554245							
7	Ramika Sen	55	F	24-08-96	Y		Y 32
43674635							
8	Surya Vardhan	66	M	25-08-96	N		Y 43
43543546							
9	Rocky	32	M	26-08-96	Y		Y 23
22635828							
10	Reena	46	M	27-08-96	Y		N 24
43753928							
11	Garuda	57	M	28-08-96	Y		Y 25
67537538							
12	Bairya	28	M	29-08-96	N		Y 28
76876780							
13	Chacha	59	M	30-08-96	Y		Y 63
45643673							
14	Anand	62	M	31-08-96	Y		N 34
67386279							
15	Deepa	42	F	01-09-96	Y		Y 45
98768768							
16	Daya	38	M	02-09-96	Y		Y 65
87567477							
17	Kamal	33	M	03-09-96	Y		Y 74
36585856							
18	Vanaram	54	M	04-09-96	N		N 87
34354354							
19	Kalashnikov	47	M	05-09-96	N		N 57
84341787							

Out[26]:

	Age
min	24.00
max	66.00
sum	937.00
average	46.85

In [30]:

```

1 import pandas as pd
2 df=pd.read_csv('E:\\details4.csv')
3 print(df.to_string())
4 df.aggregate({"Age":["min','max','sum','average'],"Ph.no":["min','max','sum'

```

Ph.no	Name	Age	Gender	DOB	Passport(y/n)	Driving	Lisence(y/n)
0	Rocky	28	M	13-06-94	Y	Y	34
64534530							
1	Reena	24	F	18-08-96	Y	Y	46
41351235							
2	Garuda	44	M	19-08-96	N	Y	44
50434333							
3	Rajendra Desai	52	M	20-08-96	Y	N	12
34567890							
4	Andrews	51	M	21-08-96	Y	Y	98
76543215							
5	Adheera	59	M	22-08-96	Y	Y	34
56786543							
6	Guru Panday	60	M	23-08-96	Y	Y	35
46554245							
7	Ramika Sen	55	F	24-08-96	Y	Y	32
43674635							
8	Surya Vardhan	66	M	25-08-96	N	Y	43
43543546							
9	Rocky	32	M	26-08-96	Y	Y	23
22635828							
10	Reena	46	M	27-08-96	Y	N	24
43753928							
11	Garuda	57	M	28-08-96	Y	Y	25
67537538							
12	Bairya	28	M	29-08-96	N	Y	28
76876780							
13	Chacha	59	M	30-08-96	Y	Y	63
45643673							
14	Anand	62	M	31-08-96	Y	N	34
67386279							
15	Deepa	42	F	01-09-96	Y	Y	45
98768768							
16	Daya	38	M	02-09-96	Y	Y	65
87567477							
17	Kamal	33	M	03-09-96	Y	Y	74
36585856							
18	Vanaram	54	M	04-09-96	N	N	87
34354354							
19	Kalashnikov	47	M	05-09-96	N	N	57
84341787							

Out[30]:

	Age	Ph.no
min	24.00	1.234568e+09
max	66.00	9.876543e+09
sum	937.00	9.142344e+10
average	46.85	4.571172e+09

```
In [31]: 1 import pandas as pd
          2 df=pd.read_csv('E:\\details3.csv')
          3 df.groupby('Name')
          4 print(df.groupby('Name').groups)
```

```
{'Anand': [14], 'Andrews': [4, 10], 'Chacha': [13], 'Daya ': [16], 'Deepa': [1
5], 'Garuda': [2, 8], 'Inayat Kaleeh1': [11, 12], 'Kalashnikov': [19], 'Kamal':
[17], 'Rajendra Desai': [3, 9], 'Reena': [1, 5, 7], 'Rocky': [0, 6], 'Vanaram':
[18]}
```