In [16]:
```
import pandas as pd
a=pd.read_csv("E://Passport.csv")
a.aggregate({"Age":['min','max']})
print(a.to_string())
```

```
   Serial.No     Name  Age  Gender      Place Phone.No Having passport(Y/N) Hav
ing license(Y/N)
0          1     Yang   18    Male   Shanghai     9??0                    Y
Y
1          2      Kai   20    Male      Busan     8??8                    Y
Y
2          3     Xing   22  Female    Shenzen     8??4                    N
Y
3          4     Wang   24    Male      Busan     8??3                    N
N
4          5     Fang   26    Male   Shanghai     8??2                    Y
Y
5          6      Ram   28    Male  Hyderabad     8??1                    N
N
6          7  Shradda   30  Female     Mumbai     9??9                    Y
Y
7          8   Ranbir   32    Male     Mumbai     8??7                    N
Y
8          9      Roy   34    Male     Mumbai     7??7                    N
N
9         10    Kiara   36  Female     Mumbai     7??8                    Y
Y
```

In [14]:
```
import pandas as pd
b=pd.read_csv("E://Passport.csv")
print(b.aggregate({"Age":['min','max']}))
```

```
     Age
min   18
max   36
```

In [15]:
```
import pandas as pd
b=pd.read_csv("E://Passport.csv")
print(b.aggregate({"Age":['min','max'],
             "Phone.No":['min','max']}))
```

```
     Age Phone.No
min   18     7??7
max   36     9??9
```

In [17]:
```
import pandas as pd
b=pd.read_csv("E://Passport.csv")
print(b.aggregate({"Age":['sum']}))
```

```
     Age
sum  270
```

In [18]:
```
import pandas as pd
b=pd.read_csv("E://Passport.csv")
print(b.aggregate({"Age":['mean']}))
```

```
       Age
mean  27.0
```

In [20]:
```
import pandas as pd
b=pd.read_csv("E://Passport.csv")
print(b.aggregate({"Age":['min','max','sum','mean'],
                   "Phone.No":['min','max']}))
```

```
         Age Phone.No
min     18.0     7??7
max     36.0     9??9
sum    270.0      NaN
mean    27.0      NaN
```

In [27]:
```
a=df.groupby(by="Place")
a.first()
```

Out[27]:

Place	Serial.No	Name	Age	Gender	Phone.No	Having passport(Y/N)	Having license(Y/N)
Busan	2	Kai	20	Male	8??8	Y	Y
Hyderabad	6	Ram	28	Male	8??1	N	N
Mumbai	7	Shradda	30	Female	9??9	Y	Y
Shanghai	1	Yang	18	Male	9??0	Y	Y
Shenzen	3	Xing	22	Female	8??4	N	Y

In [28]:
```
a=df.groupby(by="Having license(Y/N)")
a.first()
```

Out[28]:

Having license(Y/N)	Serial.No	Name	Age	Gender	Place	Phone.No	Having passport(Y/N)
N	4	Wang	24	Male	Busan	8??3	N
Y	1	Yang	18	Male	Shanghai	9??0	Y

In [31]:
```
a=df.groupby(by=["Name","Place"])
a.first()
```

Out[31]:

Name	Place	Serial.No	Age	Gender	Phone.No	Having passport(Y/N)	Having license(Y/N)
Fang	**Shanghai**	5	26	Male	8??2	Y	Y
Kai	**Busan**	2	20	Male	8??8	Y	Y
Kiara	**Mumbai**	10	36	Female	7??8	Y	Y
Ram	**Hyderabad**	6	28	Male	8??1	N	N
Ranbir	**Mumbai**	8	32	Male	8??7	N	Y
Roy	**Mumbai**	9	34	Male	7??7	N	N
Shradda	**Mumbai**	7	30	Female	9??9	Y	Y
Wang	**Busan**	4	24	Male	8??3	N	N
Xing	**Shenzen**	3	22	Female	8??4	N	Y
Yang	**Shanghai**	1	18	Male	9??0	Y	Y

In [33]:
```
a=df.groupby(by="Place".groups)
a.first()
```

```
---------------------------------------------------------------------------
AttributeError                            Traceback (most recent call last)
~\AppData\Local\Temp/ipykernel_10832/1350196656.py in <module>
----> 1 a=df.groupby(by="Place".groups)
      2 a.first()

AttributeError: 'str' object has no attribute 'groups'
```

In [36]:
```
import pandas as pd
a=df.groupby(by=["Name","Place"])
print(type(a))
print(pd.DataFrame(a))
```

```
<class 'pandas.core.groupby.generic.DataFrameGroupBy'>
                  0                                                  1
0   (Fang, Shanghai)     Serial.No  Name  Age Gender     Place Phone...
1       (Kai, Busan)     Serial.No Name  Age Gender  Place Phone.No ...
2    (Kiara, Mumbai)     Serial.No   Name  Age  Gender   Place Phone...
3   (Ram, Hyderabad)     Serial.No Name  Age Gender      Place Phone...
4   (Ranbir, Mumbai)     Serial.No    Name  Age Gender   Place Phone...
5      (Roy, Mumbai)     Serial.No Name  Age Gender   Place Phone.No...
6  (Shradda, Mumbai)     Serial.No     Name  Age  Gender   Place Pho...
7      (Wang, Busan)     Serial.No  Name  Age Gender  Place Phone.No...
8    (Xing, Shenzen)     Serial.No  Name  Age  Gender    Place Phone...
9   (Yang, Shanghai)     Serial.No  Name  Age Gender     Place Phone...
```