In [5]:
```
import pandas as pd
df=pd.read_csv("C:\\Users\CSE22004\Documents\\vasishta 112.csv")
print(df)
```

```
          name  age gender    ph.no           adress
0     vasishta   12      m  3322444        beach road
1       rohith   33      m  5677677        rushikonda
2    prashanth   44      m  5678889  visalakshi nagar
3       madhav   34      m  5467567      seethamdhara
4      shrenik   67      m  7788655        rushikonda
5   goavardhan   54      m  4566778         siripuram
6        phani   32      m  5757643         siripuram
7        indra   23      m  7562456               sgf
8        vamsi   95      m  6543537           fghsdxg
9        raghu   97      m  5542456             fsgjg
10  sai vishnu   68      m  7534534               fgs
11       yuga   53      m  5432456              sfgh
12       amit    4      m  2134556            sfdtju
13      lohith   11      m  5467888          rtudsfth
14    bhaghath   23      m  4356789              retja
15     sativik   43      m  7689877                dsh
16       swamy   87      m  5676567             eratu
17    narsimha   91      m  9667885               sdth
18     rambabu   78      m  4654543               sdth
```

In [6]:
```
import pandas as pd
df=pd.read_csv("E:\\xcel task 2.csv")
print(df)
```

```
    S.NO    NAME  AGE GENDER     PASSPORT DRIVING LICENSE
0      1   jgdtk   18      F   9663476986        iugduysd
1      2  ftrstr   18      M    939076856        hgiuhuif
2      3  rehrth   13      M     89678458         yr9g944
3      4     leo   13      F     98468674          kugriu
4      5     soa   14      F     54757276           hgfht
5      6    shin   12      F      5656546              ke
6      7    dora   15      M   5656567776              UT
7      8    cham   17      M      6787838             TUU
8      9     vfs   23      M      8657457         yuttrth
9     10     gdt   56      M      8746747            iugu
10    11  rehrth   45      M      7634574            erui
11    12      wf   25      M  53978576378         jergiue
12    13      rg   32      M       576543           ngire
13    14      dh   67      F  87686572386            htdt
14    15   rgreg   54      F    464672368           itdrs
15    16    reqy   23      F   5665787675            rgft
16    17      rg   32      M     12242435          ytfkuk
17    18     rge   21      F      5873256        tduuiggy
18    19    rwrt   56      M   7547457427         ureyttd
19    20    hffu   23      M      5786365           jugfu
```

In [15]:
```
import pandas as pd
df=pd.read_csv("E:\\xcel task 2.csv")
print(df)
df.aggregate({'AGE':['min','max']})
```

```
    S.NO    NAME  AGE GENDER     PASSPORT DRIVING LICENSE
0      1   jgdtk   18      F   9663476986        iugduysd
1      2  ftrstr   18      M    939076856        hgiuhuif
2      3  rehrth   13      M     89678458         yr9g944
3      4     leo   13      F     98468674          kugriu
4      5     soa   14      F     54757276           hgfht
5      6    shin   12      F      5656546              ke
6      7    dora   15      M   5656567776              UT
7      8    cham   17      M      6787838             TUU
8      9     vfs   23      M      8657457         yuttrth
9     10     gdt   56      M      8746747            iugu
10    11  rehrth   45      M      7634574            erui
11    12      wf   25      M  53978576378         jergiue
12    13      rg   32      M       576543           ngire
13    14      dh   67      F  87686572386            htdt
14    15   rgreg   54      F    464672368           itdrs
15    16    reqy   23      F   5665787675            rgft
16    17      rg   32      M     12242435          ytfkuk
17    18     rge   21      F      5873256         tduuiggy
18    19    rwrt   56      M   7547457427          ureyttd
19    20    hffu   23      M      5786365           jugfu
```

Out[15]:

	AGE
min	12
max	67

In [18]:
```
import pandas as pd
df=pd.read_csv("E:\\siri20.csv")
print(df)
df.aggregate({'Age':['min','max']})
```

```
    S.no        Name  Age Gender   Phone no:    Address       DOB Passport  \
0      1        siri   19      F  8919456240  tamilnadu  02-10-02      yes
1      2       nishi   20      M  8456952224    chennai  01-01-01      yes
2      3      praisy   19      F  9325422122      vizag  06-08-02       no
3      4       fairy   16      F  7584266846     trichy  03-05-05      yes
4      5       sashi   20      M  7584692158      araku  12-12-99       no
5      6   sudheshna   30      F  9654821736     guntur  13-05-90      yes
6      7     tanusha   50      F  8457932164    chennai  04-08-70      yes
7      8   jyoshitha   30      F  8654792154  vijaywada  23-02-90      yes
8      9      amruth   22      M  6954871323   srinagar  30-12-97       no
9     10     jayanth   55      M  6578941258     kadapa  22-05-65       no
10    11        john   48      M  7895486213     kerala  04-07-72      yes
11    12      daniel   13      M  9012457800         up  09-09-09       no
12    13      julius   47      M  8457129003      vizag  07-03-71       no
13    14       rohit   32      M  8632147950     trichy  05-05-88      yes
14    15       sudha   44      F  9845762148      araku  08-05-76      yes
15    16  shravanthi    7      F  7854965521      vizag  09-11-15      yes
16    17       priya   16      F  9032598268     mynmar  01-06-11      yes
17    18     sameera   41      F  9548624877     kadapa  04-04-74       no
18    19       bunny    9      M  7845962156   srinagar  03-12-13      yes
19    20        abhi   10      M  8548886954      araku  12-07-12      yes

   License
0      yes
1      yes
2      yes
3       no
4      yes
5      yes
6      yes
7      yes
8      yes
9      yes
10     yes
11      no
12     yes
13     yes
14     yes
15      no
16      no
17     yes
18      no
19      no
```

Out[18]:

	Age
min	7
max	55

In [19]:
```
import pandas as pd
df=pd.read_csv("E:\\siri20.csv")
print(df)
df.aggregate({'Age':['min','max','average']})
```

```
    S.no        Name  Age Gender   Phone no:    Address       DOB Passport  \
0      1        siri   19      F  8919456240  tamilnadu  02-10-02      yes
1      2       nishi   20      M  8456952224    chennai  01-01-01      yes
2      3      praisy   19      F  9325422122      vizag  06-08-02       no
3      4       fairy   16      F  7584266846     trichy  03-05-05      yes
4      5       sashi   20      M  7584692158      araku  12-12-99       no
5      6   sudheshna   30      F  9654821736     guntur  13-05-90      yes
6      7     tanusha   50      F  8457932164    chennai  04-08-70      yes
7      8   jyoshitha   30      F  8654792154  vijaywada  23-02-90      yes
8      9      amruth   22      M  6954871323   srinagar  30-12-97       no
9     10     jayanth   55      M  6578941258     kadapa  22-05-65       no
10    11        john   48      M  7895486213     kerala  04-07-72      yes
11    12      daniel   13      M  9012457800         up  09-09-09       no
12    13      julius   47      M  8457129003      vizag  07-03-71       no
13    14       rohit   32      M  8632147950     trichy  05-05-88      yes
14    15       sudha   44      F  9845762148      araku  08-05-76      yes
15    16  shravanthi    7      F  7854965521      vizag  09-11-15      yes
16    17       priya   16      F  9032598268     mynmar  01-06-11      yes
17    18     sameera   41      F  9548624877     kadapa  04-04-74       no
18    19       bunny    9      M  7845962156   srinagar  03-12-13      yes
19    20        abhi   10      M  8548886954      araku  12-07-12      yes

   License
0      yes
1      yes
2      yes
3       no
4      yes
5      yes
6      yes
7      yes
8      yes
9      yes
10     yes
11      no
12     yes
13     yes
14     yes
15      no
16      no
17     yes
18      no
19      no
```

Out[19]:

	Age
min	7.0
max	55.0
average	27.4

In [21]:
```
import pandas as pd
df=pd.read_csv("E:\\siri20.csv")
print(df)
df.aggregate({'Age':['min','max','average','sum']})
```

```
    S.no        Name  Age Gender    Phone no:    Address       DOB Passport  \
0      1        siri   19      F     87364823  tamilnadu  02-10-02      yes
1      2       nishi   20      M       457453    chennai  01-01-01      yes
2      3      praisy   19      F      5473467      vizag  06-08-02       no
3      4       fairy   16      F      4575433     trichy  03-05-05      yes
4      5       sashi   20      M     24365454      araku  12-12-99       no
5      6   sudheshna   30      F     74236592     guntur  13-05-90      yes
6      7     tanusha   50      F    675365367    chennai  04-08-70      yes
7      8   jyoshitha   30      F      3457456  vijaywada  23-02-90      yes
8      9      amruth   22      M     56753565   srinagar  30-12-97       no
9     10     jayanth   55      M      3567763     kadapa  22-05-65       no
10    11        john   48      M     35673567     kerala  04-07-72      yes
11    12      daniel   13      M     56783567         up  09-09-09       no
12    13      julius   47      M     35673556      vizag  07-03-71       no
13    14       rohit   32      M      5674567     trichy  05-05-88      yes
14    15       sudha   44      F      5675356      araku  08-05-76      yes
15    16  shravanthi    7      F     56345677      vizag  09-11-15      yes
16    17       priya   16      F    454345677     mynmar  01-06-11      yes
17    18     sameera   41      F     54345645     kadapa  04-04-74       no
18    19       bunny    9      M   5443456645   srinagar  03-12-13      yes
19    20        abhi   10      M      3455433      araku  12-07-12      yes

   License
0      yes
1      yes
2      yes
3       no
4      yes
5      yes
6      yes
7      yes
8      yes
9      yes
10     yes
11      no
12     yes
13     yes
14     yes
15      no
16      no
17     yes
18      no
19      no
```

Out[21]:

	Age
min	7.0
max	55.0
average	27.4
sum	548.0

In [25]:
```
import pandas as pd
df=pd.read_csv("E:\\siri20.csv")
print(df)
df.aggregate({'Age':['min','max','average','sum'],'Phone no:':['min','max','avera
```

```
    S.no        Name  Age Gender    Phone no:    Address       DOB Passport  \
0      1        siri   19      F     87364823  tamilnadu  02-10-02      yes
1      2       nishi   20      M       457453    chennai  01-01-01      yes
2      3      praisy   19      F      5473467      vizag  06-08-02       no
3      4       fairy   16      F      4575433     trichy  03-05-05      yes
4      5       sashi   20      M     24365454      araku  12-12-99       no
5      6   sudheshna   30      F     74236592     guntur  13-05-90      yes
6      7     tanusha   50      F    675365367    chennai  04-08-70      yes
7      8   jyoshitha   30      F      3457456  vijaywada  23-02-90      yes
8      9      amruth   22      M     56753565   srinagar  30-12-97       no
9     10     jayanth   55      M      3567763     kadapa  22-05-65       no
10    11        john   48      M     35673567     kerala  04-07-72      yes
11    12      daniel   13      M     56783567         up  09-09-09       no
12    13      julius   47      M     35673556      vizag  07-03-71       no
13    14       rohit   32      M      5674567     trichy  05-05-88      yes
14    15       sudha   44      F      5675356      araku  08-05-76      yes
15    16  shravanthi    7      F     56345677      vizag  09-11-15      yes
16    17       priya   16      F    454345677     mynmar  01-06-11      yes
17    18     sameera   41      F     54345645     kadapa  04-04-74       no
18    19       bunny    9      M   5443456645   srinagar  03-12-13      yes
19    20        abhi   10      M      3455433      araku  12-07-12      yes

   License
0      yes
1      yes
2      yes
3       no
4      yes
5      yes
6      yes
7      yes
8      yes
9      yes
10     yes
11      no
12     yes
13     yes
14     yes
15      no
16      no
17     yes
18      no
19      no
```

Out[25]:

	Age	Phone no:
min	7.0	4.574530e+05
max	55.0	5.443457e+09
average	27.4	3.543524e+08
sum	548.0	7.087047e+09

In [ ]: