1)Input the following data into a data frame called titanic, and display the entire data frame:

In [3]:
```
import pandas as pd
d=[['Children', 'First', 6, 0],
    ['Children', 'Second', 24, 0],
    ['Children', 'Third', 27, 52],
    ['Men', 'First', 57, 118],
    ['Men', 'Second', 14, 154],
    ['Men', 'Third', 75, 387],
    ['Men', 'Crew', 192, 693],
    ['Women', 'First', 140, 4],
    ['Women', 'Second', 80, 13],
    ['Women', 'Third', 76, 89],
    ['Women', 'Crew', 20, 3 ]]
t=pd.DataFrame(d,columns=['Sex', 'Class', 'Survived', 'Died'])
```

In [4]:
```
print(t.head(10))
```

```
       Sex    Class  Survived  Died
0  Children    First         6     0
1  Children   Second        24     0
2  Children    Third        27    52
3       Men    First        57   118
4       Men   Second        14   154
5       Men    Third        75   387
6       Men     Crew       192   693
7     Women    First       140     4
8     Women   Second        80    13
9     Women    Third        76    89
```

In [5]:
```
t.head()
```

Out[5]:

	Sex	Class	Survived	Died
0	Children	First	6	0
1	Children	Second	24	0
2	Children	Third	27	52
3	Men	First	57	118
4	Men	Second	14	154

2)Delete the crew members from the data.

In [6]:
```
t=t[t.Class !="Crew"]#deleting the crew
```

In [7]:
```
t.head()
```

Out[7]:

	Sex	Class	Survived	Died
0	Children	First	6	0
1	Children	Second	24	0
2	Children	Third	27	52
3	Men	First	57	118
4	Men	Second	14	154

3)Create a new column that is the total number of people for that group (those who survived + died).

In [8]:
```
t['Total_num_people']=t["Survived"]+t['Died']
```

In [9]:
```
t.head()
```

Out[9]:

	Sex	Class	Survived	Died	Total_num_people
0	Children	First	6	0	6
1	Children	Second	24	0	24
2	Children	Third	27	52	79
3	Men	First	57	118	175
4	Men	Second	14	154	168

4)Delete the column indicating the total number of people in that group.

In [10]:
```
del t["Total_num_people"]
```

In [11]:
```
t.head(10)
```

Out[11]:

	Sex	Class	Survived	Died
0	Children	First	6	0
1	Children	Second	24	0
2	Children	Third	27	52
3	Men	First	57	118
4	Men	Second	14	154
5	Men	Third	75	387
7	Women	First	140	4
8	Women	Second	80	13
9	Women	Third	76	89

5)Only show the rows where more than 80% of the people survived.

In [12]:
```
rslt = t[t['Survived'] > 80]
rslt.head(5)
```

Out[12]:

	Sex	Class	Survived	Died
7	Women	First	140	4

In [24]:
```
t["Total"]=t["Survived"]+ t["Died"]
t["Percentage"]=(t["Survived"]/t["Total"])*100
t[t.Percentage>=80]
```

Out[24]:

	Sex	Class	Survived	Died	Percentage	Total
0	Children	First	6	0	100.000000	6
1	Children	Second	24	0	100.000000	24
7	Women	First	140	4	97.222222	144
8	Women	Second	80	13	86.021505	93

In [ ]:
```

```