In [1]:
```
import pandas as pd
```

In [12]:
```
departments= pd.read_csv('D:\\NSDIC\\VIDEO\\pandas-p4\\departments.csv')
```

In [13]:
```
departments
```

Out[13]:

	department_id	department_name
0	1	Sales
1	2	HR
2	3	Engineering
3	4	Marketing

In [14]:
```
employees= pd.read_csv('D:\\NSDIC\\VIDEO\\pandas-p4\\employees.csv')
```

In [29]:
```
employees
```

Out[29]:

	employee_id	first_name	last_name	department_id	salary
0	101	John	Doe	1	60000
1	102	Jane	Smith	2	65000
2	103	Mike	Johnson	1	59000
3	104	Emily	Davis	3	70000
4	105	Chris	Wilson	2	62000

In [30]:
```
employees.merge(departments,how='inner')
```

Out[30]:

	employee_id	first_name	last_name	department_id	salary	department_name
0	101	John	Doe	1	60000	Sales
1	103	Mike	Johnson	1	59000	Sales
2	102	Jane	Smith	2	65000	HR
3	105	Chris	Wilson	2	62000	HR
4	104	Emily	Davis	3	70000	Engineering

In [26]:
```
employees.merge(departments,how='left')
```

Out[26]:

	employee_id	first_name	last_name	department_id	salary	department_name
0	101	John	Doe	1	60000	Sales
1	102	Jane	Smith	2	65000	HR
2	103	Mike	Johnson	1	59000	Sales
3	104	Emily	Davis	3	70000	Engineering
4	105	Chris	Wilson	2	62000	HR

In [31]:
```
employees.merge(departments,how='right')
```

Out[31]:

	employee_id	first_name	last_name	department_id	salary	department_name
0	101.0	John	Doe	1	60000.0	Sales
1	103.0	Mike	Johnson	1	59000.0	Sales
2	102.0	Jane	Smith	2	65000.0	HR
3	105.0	Chris	Wilson	2	62000.0	HR
4	104.0	Emily	Davis	3	70000.0	Engineering
5	NaN	NaN	NaN	4	NaN	Marketing

In [ ]: