1. What are the employee IDs, last names, and first names of employees who appear in both the Left Table and the Right Table, based on matching Employee IDs?

```
1  SELECT Table2.Emp_ID,Table2.Last_Name,Table2.First_Name FROM `operating
   MyFirstDataset.Right Table` as Table2 on Table1.Emp_ID=Table2.Emp_ID;
```

Row	Emp_ID ▼	Last_Name ▼	First_Name ▼
1	1284	Bellwood	Frank
2	1302	Sindole	Randy
3	1054	Smith	Howard
4	1054	Smith	Howard
5	1310	Smith	Ellen

2. What are the employee IDs, last names, and first names of all employees from the Left Table, along with any matching information from the Right Table, based on Employee IDs?

```
2  SELECT Table2.Emp_ID,Table2.Last_Name,Table2.First_Name FROM `operating-surge-412416.MyFirstDataset.Left Table` as Table1 left join `operating-surge-412416.
   MyFirstDataset.Right Table` as Table2 on Table1.Emp_ID=Table2.Emp_ID;
```

Emp_ID	Last_Name	First_Name
1284	Bellwood	Frank
1302	Sindole	Randy
1054	Smith	Howard
1054	Smith	Howard
1310	Smith	Ellen
1056	Gonzales	Joe
1056	Gonzales	Joe
1067	Scote	Gail
1329	Vuanuo	Tuome
1075	Kane	Sheryl
1333	Szcznyck	Tadeuz
1078	Hapsbuch	Kendrick
1368	Wu	Tammy
1152	Henders	Mark
1196	Atherton	Katie

3. What are the employee IDs, last names, and first names of all employees from the Right Table, along with any matching information from the Left Table, based on Employee IDs?

```
3  SELECT *FROM `operating-surge-412416.MyFirstDataset.Billionaires` WHERE demographics_age>=30;
```

4. Which employees belong to the HR department?

```
4  SELECT * FROM `operating-surge-412416.MyFirstDataset.Right Table` WHERE Dept="HR";
```

Row	Emp_ID	Last_Name	First_Name	Dept	E_mail
1	1196	Atherton	Katie	HR	katiea
2	1293	Cronwith	Brent	HR	brentc
3	1333	Szcznyck	Tadeuz	HR	tadeuzs
4	1721	Alstain	Isolde	HR	isoldea
5	1814	Al-Sabah	Daoud	HR	daouda
6	1999	Atherly	Katherine	HR	kathya

B	C
Last Name	First Name
Cooper	Linda
Wu	Tammy
Boughton	Frank
Smith	Howard
Smith	Howard
Gonzales	Joe
Gonzales	Joe
Scote	Gail
Kegler	Pam
Barton	Eileen
Zostoc	Melissa
Corwick	Judy
Mivelli	Maria
Atherton	Katie
Cronwith	Brent
Szcznyck	Tadeuz
Alstain	Isolde
Al-Sabah	Daoud
Atherly	Katherine
Simpson	Sandrae
Smith	Ellen
Kourios	Theo
Dixon-Waite	Sherrie
Fontaine	Jean
Chang	Jessica
Bellwood	Frank
Sindole	Randy
Kellerman	Tommie
Miller	Janet
Sammler	Mark

5. Which employees belong to the AC department?

```
5  SELECT * FROM `operating-surge-412416.MyFirstDataset.Right Table` WHERE Dept="AC";
```

Row	Emp_ID	Last_Name	First_Name	Dept	E_mail
1	1078	Hapsbuch	Kendrick	AC	kendrickh
2	1329	Vuanuo	Tuome	AC	tuomev
3	1516	Bell	Tom	AC	tomb
4	1758	Brwyne	Melia	AC	meliab
5	1931	Mueller	Ursula	AC	ursulam
6	1964	Corwick	Rob	AC	robertc
7	1975	Franklin	Larry	AC	larryf

6. Which employees belong to the AD department?

```
6  SELECT * FROM `operating-surge-412416.MyFirstDataset.Right Table` WHERE Dept="AD";
```

Row	Emp_ID	Last_Name	First_Name	Dept	E_mail
1	1075	Kane	Sheryl	AD	sherylk
2	1152	Henders	Mark	AD	markh
3	1290	Cooper	Linda	AD	lindac
4	1368	Wu	Tammy	AD	tammyw
5	1673	Boughton	Frank	AD	fboughton

7. Which employees belong to the MF department?

```
7  SELECT * FROM `operating-surge-412416.MyFirstDataset.Right Table` WHERE Dept="MF";
```

Row	Emp_ID	Last_Name	First_Name	Dept	E_mail
1	1299	Simpson	Sandrae	MF	sandraes
2	1310	Smith	Ellen	MF	ellens
3	1656	Kourios	Theo	MF	theok
4	1672	Dixon-Waite	Sherrie	MF	sherried
5	1960	Fontaine	Jean	MF	jeanf
6	1990	Chang	Jessica	MF	jessc

8. Which employees belong to either the AD department or the HR department?

```
8  SELECT * FROM `operating-surge-412416.MyFirstDataset.Right Table` WHERE Dept="AD" OR Dept="HR";
```

Row	Emp_ID	Last_Name	First_Name	Dept	E_mail
1	1075	Kane	Sheryl	AD	sherylk
2	1152	Henders	Mark	AD	markh
3	1290	Cooper	Linda	AD	lindac
4	1368	Wu	Tammy	AD	tammyw
5	1673	Boughton	Frank	AD	fboughton
6	1196	Atherton	Katie	HR	katiea
7	1293	Cronwith	Brent	HR	brentc
8	1333	Szcznyck	Tadeuz	HR	tadeuzs
9	1721	Alstain	Isolde	HR	isoldea
10	1814	Al-Sabah	Daoud	HR	daouda
11	1999	Atherly	Katherine	HR	kathya

9. Which employees have the last name "Smith"?

```
9  SELECT * FROM `operating-surge-412416.MyFirstDataset.Right Table` WHERE Last_Name="Smith";
```

Row	Emp_ID	Last_Name	First_Name	Dept	E_mail
1	1054	Smith	Howard	AT	howards
2	1310	Smith	Ellen	MF	ellens

```
12  SELECT * FROM `operating-surge-412416.MyFirstDataset.Right Table` WHERE Dept="HR" OR Dept="AT" AND Last_name LIKE "S%";
```

10. Which employees either belong to the HR department or the AT department and have last names that start with the letter "S"?

Row	Emp_ID	Last_Name	First_Name	Dept	E_mail
1	1054	Smith	Howard	AT	howards
2	1067	Scote	Gail	AT	gails
3	1196	Atherton	Katie	HR	katiea
4	1293	Cronwith	Brent	HR	brentc
5	1333	Szcznyck	Tadeuz	HR	tadeuzs
6	1721	Alstain	Isolde	HR	isoldea
7	1814	Al-Sabah	Daoud	HR	daouda
8	1999	Atherly	Katherine	HR	kathya