

Assignment 4

Starting Tables

Employee

EMP_CODE	EMP_LNAME	JOB_CODE
14	Rudell	2
15	McDade	1
16	Ruellardo	1
17	Smith	3
20	Smith	2

Jobs

JOB_CODE	JOB_DESCRIPTION
1	Clerical
2	Technical
3	Managerial

1)

Product

EMP_CODE	EMP_LNAME	JOB_CODE	JOB_CODE	JOB_DESCRIPTION
14	Rudell	2	1	Clerical
14	Rudell	2	2	Technical
14	Rudell	2	3	Managerial
15	McDade	1	1	Clerical
15	McDade	1	2	Technical
15	McDade	1	3	Managerial
16	Ruellardo	1	1	Clerical
16	Ruellardo	1	2	Technical
16	Ruellardo	1	3	Managerial
17	Smith	3	1	Clerical
17	Smith	3	2	Technical
17	Smith	3	3	Managerial
20	Smith	2	1	Clerical
20	Smith	2	2	Technical
20	Smith	2	3	Managerial

Select (where job_code = job_code)

EMP_CODE	EMP_LNAME	JOB_CODE	JOB_CODE	JOB_DESCRIPTION
14	Rudell	2	2	Technical
15	McDade	1	1	Clerical
16	Ruellardo	1	1	Clerical
17	Smith	3	3	Managerial
20	Smith	2	2	Technical

Project (remove duplicate columns)

EMP_CODE	EMP_LNAME	JOB_CODE	JOB_DESCRIPTION
14	Rudell	2	Technical
15	McDade	1	Clerical
16	Ruellardo	1	Clerical
17	Smith	3	Managerial
20	Smith	2	Technical

2) Job Left Outer Join Employee - What Jobs do we have for which there are no employees?

JOB_CODE	JOB_DESCRIPTION	EMP_CODE	EMP_LNAME
2	Technical	14	Rudell
1	Clerical	15	McDade
1	Clerical	16	Ruellardo
3	Managerial	17	Smith
2	Technical	20	Smith
Null	Sanitation	Null	Null

Question:

3) Job Right Outer Join Employee - What Employees do we have with no Jobs?

JOB_CODE	JOB_DESCRIPTION	EMP_CODE	EMP_LNAME
2	Technical	14	Rudell
1	Clerical	15	McDade
1	Clerical	16	Ruellardo
3	Managerial	17	Smith
2	Technical	20	Smith
9	Null	25	Jones