

```
mysql> SOURCE C:\iste230\chris\HW\hw5\eng_HW5.sql
```

```
Database changed
```

```
-----  
SELECT companyName, division, listing FROM interview  
WHERE listing='y'
```

```
UNION ALL
```

```
SELECT companyName, division, listing FROM interview  
WHERE listing='n'
```

```
ORDER BY listing  
-----
```

companyName	division	listing
Braddock Information Assoc.	Payroll	n
Vegas Programming and Design	Development	n
Cameron Industries	Management	n
Cameron Industries	Customer Support	n
CCC Software	Production	n
DC Security Applications	RandD	n
Davis-Klein Software	RandD	n
Flordia Software Designs	RandD	n
Rochester Software Design	Development	n
Jersey Computer Services	Customer Support	n
Flordia Software Designs	Development	n
Sandy Shore Software	Development	n
Virginia Software Industries	Production	n
Acme Information Source	Customer Support	y
Ajax Software, Inc.	Production	y
Ajax Software, Inc.	RandD	y
Bay Software Inc.	Production	y
Mountainside Magic Software	Management	y
Mountainside Magic Software	Customer Support	y
Focused Applications, Inc.	Production	y
Georgia Software Design	RandD	y
ApplDesign	RandD	y
Long Island Apps, Inc.	Development	y
Manhattan-Made Software	Customer Support	y
Manhattan-Made Software	Payroll	y
Nantucket Applications, Inc.	RandD	y
PennState Programming, Inc.	Management	y
Buffalo Software Assoc.	Payroll	y

```
-----  
28 rows in set (0.00 sec)
```

```

-----
SELECT employer.companyName, employer.division, employer.stateCode
FROM employer
INNER JOIN interview USING(companyName)
-----

```

companyName	division	stateCode
Acme Information Source	Customer Support	OH
Ajax Software, Inc.	Production	CA
Ajax Software, Inc.	RandD	CA
Ajax Software, Inc.	Production	CA
Ajax Software, Inc.	RandD	CA
ApplDesign	RandD	AL
Bay Software Inc.	Production	CA
Bay Software Inc.	RandD	CA
Braddock Information Assoc.	Payroll	MA
Buffalo Software Assoc.	Payroll	NY
Cameron Industries	Customer Support	TX
Cameron Industries	Management	TX
Cameron Industries	Customer Support	TX
Cameron Industries	Management	TX
CCC Software	Production	NY
Davis-Klein Software	RandD	NY
DC Security Applications	RandD	VA
Flordia Software Designs	Development	FL
Flordia Software Designs	RandD	FL
Flordia Software Designs	Development	FL
Flordia Software Designs	RandD	FL
Focused Applications, Inc.	Production	SC
Georgia Software Design	RandD	GA
Jersey Computer Services	Customer Support	NJ
Long Island Apps, Inc.	Development	NY
Manhattan-Made Software	Customer Support	NY
Manhattan-Made Software	Payroll	NY
Manhattan-Made Software	Customer Support	NY
Manhattan-Made Software	Payroll	NY
Mountainside Magic Software	Customer Support	CO
Mountainside Magic Software	Management	CO
Mountainside Magic Software	Customer Support	CO
Mountainside Magic Software	Management	CO
Nantucket Applications, Inc.	RandD	MA
PennState Programming, Inc.	Management	PA
Rochester Software Design	Development	NY

Sandy Shore Software	Development	CT
Vegas Programming and Design	Development	NV
Virginia Software Industries	Production	VA

39 rows in set (0.00 sec)

```

SELECT stateCode, state.description FROM employer
LEFT JOIN state USING(stateCode)

```

stateCode	description
AL	ALABAMA
CA	CALIFORNIA
CA	CALIFORNIA
CA	CALIFORNIA
CA	CALIFORNIA
CO	COLORADO
CO	COLORADO
CT	CONNECTICUT
FL	FLORIDA
FL	FLORIDA
GA	GEORGIA
MA	MASSACHUSETTS
MA	MASSACHUSETTS
MI	MICHIGAN
NJ	NEW JERSEY
NV	NEVADA
NY	NEW YORK
NY	NEW YORK
NY	NEW YORK
NY	NEW YORK
NY	NEW YORK
NY	NEW YORK
NY	NEW YORK
NY	NEW YORK
NY	NEW YORK
NY	NEW YORK
NY	NEW YORK
NY	NEW YORK
NY	NEW YORK
NY	NEW YORK
OH	OHIO
PA	PENNSYLVANIA

PA	PENNSYLVANIA
SC	SOUTH CAROLINA
TX	TEXAS
TX	TEXAS
VA	VIRGINIA
VA	VIRGINIA

+-----+-----+

37 rows in set (0.00 sec)

SELECT location, qtrcode FROM quarter

+-----+-----+

location	qtrcode
----------	---------

+-----+-----+

CA	20193
----	-------

MA	20203
----	-------

NY	20191
----	-------

NY	20201
----	-------

NY	20204
----	-------

+-----+-----+

5 rows in set (0.00 sec)

SELECT * FROM quarter WHERE qtrcode IN(20201 , 20204)

+-----+-----+-----+-----+

qtrCode	location	minSal	minHrs
---------	----------	--------	--------

+-----+-----+-----+-----+

20201	NY	22.25	30
-------	----	-------	----

20204	NY	23.75	40
-------	----	-------	----

+-----+-----+-----+-----+

2 rows in set (0.00 sec)

SELECT companyName, state.stateCode, description

FROM state INNER JOIN employer

ON state.statecode = employer.statecode

+-----+-----+-----+-----+

companyName	stateCode	description
-------------	-----------	-------------

+-----+-----+-----+-----+

ApplDesign	AL	ALABAMA	
Ajax Software, Inc.	CA	CALIFORNIA	
Ajax Software, Inc.	CA	CALIFORNIA	
Bay Software Inc.	CA	CALIFORNIA	
Bay Software Inc.	CA	CALIFORNIA	
Mountainside Magic Software	CO	COLORADO	
Mountainside Magic Software	CO	COLORADO	
Sandy Shore Software	CT	CONNECTICUT	
Flordia Software Designs	FL	FLORIDA	
Flordia Software Designs	FL	FLORIDA	
Georgia Software Design	GA	GEORGIA	
Braddock Information Assoc.	MA	MASSACHUSETTS	
Nantucket Applications, Inc.	MA	MASSACHUSETTS	
Michigan Application Design	MI	MICHIGAN	
Jersey Computer Services	NJ	NEW JERSEY	
Vegas Programming and Design	NV	NEVADA	
Buffalo Software Assoc.	NY	NEW YORK	
CCC Software	NY	NEW YORK	
Davis-Klein Software	NY	NEW YORK	
Long Island Apps, Inc.	NY	NEW YORK	
Manhattan-Made Software	NY	NEW YORK	
Manhattan-Made Software	NY	NEW YORK	
Midtown Software Development	NY	NEW YORK	
Rochester Application Software	NY	NEW YORK	
Rochester Software Design	NY	NEW YORK	
Western New York Applications	NY	NEW YORK	
Yankee Software	NY	NEW YORK	
Yankee Software	NY	NEW YORK	
Yankee Software	NY	NEW YORK	
Acme Information Source	OH	OHIO	
PennState Programming, Inc.	PA	PENNSYLVANIA	
PSWD, Inc.	PA	PENNSYLVANIA	
Focused Applications, Inc.	SC	SOUTH CAROLINA	
Cameron Industries	TX	TEXAS	
Cameron Industries	TX	TEXAS	
DC Security Applications	VA	VIRGINIA	
Virginia Software Industries	VA	VIRGINIA	

+-----+-----+-----+

37 rows in set (0.00 sec)

```

SELECT description, companyName
FROM state LEFT JOIN employer
ON state.statecode = employer.statecode

```

description	companyName
ALASKA	NULL
ALABAMA	ApplDesign
ARKANSAS	NULL
AMERICAN SAMOA	NULL
ARIZONA	NULL
CALIFORNIA	Ajax Software, Inc.
CALIFORNIA	Ajax Software, Inc.
CALIFORNIA	Bay Software Inc.
CALIFORNIA	Bay Software Inc.
COLORADO	Mountainside Magic Software
COLORADO	Mountainside Magic Software
CONNECTICUT	Sandy Shore Software
DISTRICT OF COLUMBIA	NULL
DELAWARE	NULL
FLORIDA	Flordia Software Designs
FLORIDA	Flordia Software Designs
FEDERATED STATES OF MICRONESIA	NULL
GEORGIA	Georgia Software Design
GUAM	NULL
HAWAII	NULL
IOWA	NULL
IDAHO	NULL
ILLINOIS	NULL
INDIANA	NULL
KANSAS	NULL
KENTUCKY	NULL
LOUISIANA	NULL
MASSACHUSETTS	Braddock Information Assoc.
MASSACHUSETTS	Nantucket Applications, Inc.
MARYLAND	NULL
MAINE	NULL
MARSHALL ISLANDS	NULL
MICHIGAN	Michigan Application Design
MINNESOTA	NULL
MISSOURI	NULL
NORTHERN MARIANA ISLANDS	NULL
MISSISSIPPI	NULL
MONTANA	NULL
NORTH CAROLINA	NULL
NORTH DAKOTA	NULL
NEBRASKA	NULL

NEW HAMPSHIRE	NULL	
NEW JERSEY	Jersey Computer Services	
NEW MEXICO	NULL	
NEVADA	Vegas Programming and Design	
NEW YORK	Buffalo Software Assoc.	
NEW YORK	CCC Software	
NEW YORK	Davis-Klein Software	
NEW YORK	Long Island Apps, Inc.	
NEW YORK	Manhattan-Made Software	
NEW YORK	Manhattan-Made Software	
NEW YORK	Midtown Software Development	
NEW YORK	Rochester Application Software	
NEW YORK	Rochester Software Design	
NEW YORK	Western New York Applications	
NEW YORK	Yankee Software	
NEW YORK	Yankee Software	
NEW YORK	Yankee Software	
OHIO	Acme Information Source	
OKLAHOMA	NULL	
OREGON	NULL	
PENNSYLVANIA	PennState Programming, Inc.	
PENNSYLVANIA	PSWD, Inc.	
PUERTO RICO	NULL	
PALAU	NULL	
RHODE ISLAND	NULL	
SOUTH CAROLINA	Focused Applications, Inc.	
SOUTH DAKOTA	NULL	
TENNESSEE	NULL	
TEXAS	Cameron Industries	
TEXAS	Cameron Industries	
UTAH	NULL	
VIRGINIA	DC Security Applications	
VIRGINIA	Virginia Software Industries	
VIRGIN ISLANDS	NULL	
VERMONT	NULL	
WASHINGTON	NULL	
WISCONSIN	NULL	
WEST VIRGINIA	NULL	
WYOMING	NULL	

+-----+
80 rows in set (0.00 sec)

mysql> notee