

Jesus Medina : 005172852
Lab 3

```
select last_name, department_id, department_name
from HR.employees
JOIN HR.departments
using (department_id);
```

LAST_NAME	DEPARTMENT_ID	DEPARTMENT_NAME
Whalen	10	Administration
Fay	20	Marketing
Hartstein	20	Marketing
Tobias	30	Purchasing
Colmenares	30	Purchasing
Baida	30	Purchasing
Raphaely	30	Purchasing
Khoo	30	Purchasing
Himuro	30	Purchasing
Mavris	40	Human Resources
Feeney	50	Shipping

LAST_NAME	DEPARTMENT_ID	DEPARTMENT_NAME
Fleaur	50	Shipping
Frupp	50	Shipping
Gates	50	Shipping
Gee	50	Shipping
Geoni	50	Shipping
Grant	50	Shipping
Jones	50	Shipping
Kaufling	50	Shipping
Ladwig	50	Shipping
Everett	50	Shipping
Dilly	50	Shipping

LAST_NAME	DEPARTMENT_ID	DEPARTMENT_NAME
Dellinger	50	Shipping
Davies	50	Shipping
Chung	50	Shipping
Cabrio	50	Shipping
Bull	50	Shipping
Bissot	50	Shipping
Bell	50	Shipping
Atkinson	50	Shipping
Landry	50	Shipping
Weiss	50	Shipping
Walsh	50	Shipping

LAST_NAME	DEPARTMENT_ID	DEPARTMENT_NAME
Vollman	50	Shipping
Vargas	50	Shipping
Taylor	50	Shipping
Mallin	50	Shipping
Markle	50	Shipping
Marlow	50	Shipping
Matos	50	Shipping
McCain	50	Shipping

Mikkilineni	50 Shipping
Mourgos	50 Shipping
Nayer	50 Shipping

LAST_NAME	DEPARTMENT_ID	DEPARTMENT_NAME
OConnell	50	Shipping
Olson	50	Shipping
Patel	50	Shipping
Perkins	50	Shipping
Philtanker	50	Shipping
Rajs	50	Shipping
Rogers	50	Shipping
Sarchand	50	Shipping
Seo	50	Shipping
Stiles	50	Shipping
Sullivan	50	Shipping

LAST_NAME	DEPARTMENT_ID	DEPARTMENT_NAME
Austin	60	IT
Pataballa	60	IT
Ernst	60	IT
Lorentz	60	IT
Hunold	60	IT
Baer	70	Public Relations
Abel	80	Sales
Ande	80	Sales
Banda	80	Sales
Bates	80	Sales
Bernstein	80	Sales

LAST_NAME	DEPARTMENT_ID	DEPARTMENT_NAME
Bloom	80	Sales
Cambrault	80	Sales
Cambrault	80	Sales
Doran	80	Sales
Errazuriz	80	Sales
Fox	80	Sales
Greene	80	Sales
Hall	80	Sales
Hutton	80	Sales
Johnson	80	Sales
King	80	Sales

LAST_NAME	DEPARTMENT_ID	DEPARTMENT_NAME
Kumar	80	Sales
Lee	80	Sales
Livingston	80	Sales
Marvins	80	Sales
McEwen	80	Sales
Olsen	80	Sales
Ozer	80	Sales
Partners	80	Sales
Russell	80	Sales
Sewall	80	Sales
Smith	80	Sales

LAST_NAME	DEPARTMENT_ID	DEPARTMENT_NAME
-----------	---------------	-----------------

```

-----
Smith                80 Sales
Sully                80 Sales
Taylor              80 Sales
Tucker              80 Sales
Tuvault             80 Sales
Vishney             80 Sales
Zlotkey             80 Sales
Kochhar             90 Executive
King                90 Executive
De Haan             90 Executive
Popp                100 Finance

```

```

LAST_NAME            DEPARTMENT_ID DEPARTMENT_NAME
-----
Urman                100 Finance
Chen                 100 Finance
Faviet              100 Finance
Sciarra              100 Finance
Greenberg           100 Finance
Gietz                110 Accounting
Higgins             110 Accounting

```

106 rows selected.

```

select job_title, city, state_province, country_id
from HR.jobs, HR.locations
where(job_id like 'SA%' and location_id=2500);

```

```

JOB_TITLE            CITY                STATE_PROVINCE      CO
-----
Sales Manager        Oxford                Oxford                UK
Sales Representative  Oxford                Oxford                UK

```

```

select e.last_name, d.department_name, d.location_id, l.city
from HR.employees e, HR.departments d, HR.locations l
where e.department_id = d.department_id and
d.location_id = l.location_id and e.commission_pct is not NULL;

```

```

LAST_NAME            DEPARTMENT_NAME      LOCATION_ID CITY
-----
-
Russell              Sales                2500 Oxford
Partners             Sales                2500 Oxford
Errazuriz            Sales                2500 Oxford
Cambrault            Sales                2500 Oxford
Zlotkey              Sales                2500 Oxford
Tucker               Sales                2500 Oxford
Bernstein            Sales                2500 Oxford
Hall                 Sales                2500 Oxford
Olsen                Sales                2500 Oxford
Cambrault            Sales                2500 Oxford
Tuvault              Sales                2500 Oxford

```

```

LAST_NAME            DEPARTMENT_NAME      LOCATION_ID CITY
-----
-
King                 Sales                2500 Oxford
Sully                Sales                2500 Oxford
McEwen               Sales                2500 Oxford

```

Smith	Sales	2500	Oxford
Doran	Sales	2500	Oxford
Sewall	Sales	2500	Oxford
Vishney	Sales	2500	Oxford
Greene	Sales	2500	Oxford
Marvins	Sales	2500	Oxford
Lee	Sales	2500	Oxford
Ande	Sales	2500	Oxford

LAST_NAME	DEPARTMENT_NAME	LOCATION_ID	CITY

-			
Banda	Sales	2500	Oxford
Ozer	Sales	2500	Oxford
Bloom	Sales	2500	Oxford
Fox	Sales	2500	Oxford
Smith	Sales	2500	Oxford
Bates	Sales	2500	Oxford
Kumar	Sales	2500	Oxford
Abel	Sales	2500	Oxford
Hutton	Sales	2500	Oxford
Taylor	Sales	2500	Oxford
Livingston	Sales	2500	Oxford

LAST_NAME	DEPARTMENT_NAME	LOCATION_ID	CITY

-			
Johnson	Sales	2500	Oxford

34 rows selected.

```

select e.last_name, d.department_name
from HR.employees e, HR.departments d
where e.department_id = d.department_id and last_name like '%a%';

```

LAST_NAME	DEPARTMENT_NAME

Whalen	Administration
Fay	Marketing
Hartstein	Marketing
Baida	Purchasing
Raphaely	Purchasing
Tobias	Purchasing
Colmenares	Purchasing
Mavris	Human Resources
Davies	Shipping
Cabrio	Shipping
Markle	Shipping

LAST_NAME	DEPARTMENT_NAME

Walsh	Shipping
Vollman	Shipping
Vargas	Shipping
Taylor	Shipping
Sullivan	Shipping
Sarchand	Shipping
Rajs	Shipping
Philtanker	Shipping
Patel	Shipping
Nayer	Shipping

McCain	Shipping
LAST_NAME	DEPARTMENT_NAME
-----	-----
Matos	Shipping
Marlow	Shipping
Mallin	Shipping
Landry	Shipping
Ladwig	Shipping
Kaufling	Shipping
Grant	Shipping
Gates	Shipping
Fleaur	Shipping
Pataballa	IT
Baer	Public Relations

LAST_NAME	DEPARTMENT_NAME
-----	-----
Banda	Sales
Cambrault	Sales
Taylor	Sales
Tuvault	Sales
Kumar	Sales
Marvins	Sales
Bates	Sales
Errazuriz	Sales
Doran	Sales
Sewall	Sales
Partners	Sales

LAST_NAME	DEPARTMENT_NAME
-----	-----
Hall	Sales
Cambrault	Sales
De Haan	Executive
Kochhar	Executive
Sciarra	Finance
Faviet	Finance
Urman	Finance

51 rows selected.

```
select e.last_name, j.job_title, e.department_id, d.department_name, l.city
from HR.employees e, HR.departments d, HR.jobs j, HR.locations l
where e.department_id = d.department_id and e.job_id = j.job_id
and d.location_id = l.location_id and l.location_id = 1800;
```

LAST_NAME	JOB_TITLE	DEPARTMENT_ID	DEPARTMENT_NAME
CITY			
-----	-----	-----	-----
Hartstein	Marketing Manager	20	Marketing
Toronto			
Fay	Marketing Representative	20	Marketing
Toronto			

```
select e.last_name "Employee", e.employee_id "EMP#", m.last_name "Manager", m.employee_id "MN#"
from HR.employees e, HR.employees m
where e.manager_id = m.employee_id ;
```

Employee	EMP#	Manager	MN#
----------	------	---------	-----

Ozer	168	Cambrault	148
Bloom	169	Cambrault	148
Fox	170	Cambrault	148
Smith	171	Cambrault	148
Bates	172	Cambrault	148
Kumar	173	Cambrault	148
Hunold	103	De Haan	102
Vishney	162	Errazuriz	147
Greene	163	Errazuriz	147
Marvins	164	Errazuriz	147
Lee	165	Errazuriz	147

Employee	EMP#	Manager	MN#
Ande	166	Errazuriz	147
Banda	167	Errazuriz	147
Bissot	129	Frapp	121
Atkinson	130	Frapp	121
Marlow	131	Frapp	121
Olson	132	Frapp	121
Sarchand	184	Frapp	121
Bull	185	Frapp	121
Dellinger	186	Frapp	121
Cabrio	187	Frapp	121
Faviet	109	Greenberg	108

Employee	EMP#	Manager	MN#
Chen	110	Greenberg	108
Sciarra	111	Greenberg	108
Urman	112	Greenberg	108
Popp	113	Greenberg	108
Fay	202	Hartstein	201
Gietz	206	Higgins	205
Ernst	104	Hunold	103
Austin	105	Hunold	103
Pataballa	106	Hunold	103
Lorentz	107	Hunold	103
Mallin	133	Kaufling	122

Employee	EMP#	Manager	MN#
Rogers	134	Kaufling	122
Gee	135	Kaufling	122
Philtanker	136	Kaufling	122
Chung	188	Kaufling	122
Dilly	189	Kaufling	122
Gates	190	Kaufling	122
Perkins	191	Kaufling	122
Kochhar	101	King	100
De Haan	102	King	100
Raphaely	114	King	100
Weiss	120	King	100

Employee	EMP#	Manager	MN#
Frapp	121	King	100
Kaufling	122	King	100
Vollman	123	King	100
Mourgos	124	King	100

Russell	145	King	100
Partners	146	King	100
Errazuriz	147	King	100
Cambrault	148	King	100
Zlotkey	149	King	100
Hartstein	201	King	100
Greenberg	108	Kochhar	101

Employee	EMP#	Manager	MN#
-----	-----	-----	-----
Whalen	200	Kochhar	101
Mavris	203	Kochhar	101
Baer	204	Kochhar	101
Higgins	205	Kochhar	101
Rajs	141	Mourgos	124
Davies	142	Mourgos	124
Matos	143	Mourgos	124
Vargas	144	Mourgos	124
Walsh	196	Mourgos	124
Feeney	197	Mourgos	124
OConnell	198	Mourgos	124

Employee	EMP#	Manager	MN#
-----	-----	-----	-----
Grant	199	Mourgos	124
King	156	Partners	146
Sully	157	Partners	146
McEwen	158	Partners	146
Smith	159	Partners	146
Doran	160	Partners	146
Sewall	161	Partners	146
Khoo	115	Raphaely	114
Baida	116	Raphaely	114
Tobias	117	Raphaely	114
Himuro	118	Raphaely	114

Employee	EMP#	Manager	MN#
-----	-----	-----	-----
Colmenares	119	Raphaely	114
Tucker	150	Russell	145
Bernstein	151	Russell	145
Hall	152	Russell	145
Olsen	153	Russell	145
Cambrault	154	Russell	145
Tuvault	155	Russell	145
Ladwig	137	Vollman	123
Stiles	138	Vollman	123
Seo	139	Vollman	123
Patel	140	Vollman	123

Employee	EMP#	Manager	MN#
-----	-----	-----	-----
Bell	192	Vollman	123
Everett	193	Vollman	123
McCain	194	Vollman	123
Jones	195	Vollman	123
Nayer	125	Weiss	120
Mikkilineni	126	Weiss	120
Landry	127	Weiss	120
Markle	128	Weiss	120
Taylor	180	Weiss	120

Fleur	181 Weiss	120
Sullivan	182 Weiss	120

Employee	EMP# Manager	MN#
-----	-----	-----
Geoni	183 Weiss	120
Abel	174 Zlotkey	149
Hutton	175 Zlotkey	149
Taylor	176 Zlotkey	149
Livingston	177 Zlotkey	149
Grant	178 Zlotkey	149
Johnson	179 Zlotkey	149

106 rows selected.

```
select e.last_name "Employee", e.employee_id "EMP#", m.last_name "Manager", m.employee_id "MN#"
from HR.employees e
left outer join HR.employees m
on (e.manager_id = m.employee_id);
```

Employee	EMP# Manager	MN#
-----	-----	-----
Ozer	168 Cambrault	148
Bloom	169 Cambrault	148
Fox	170 Cambrault	148
Smith	171 Cambrault	148
Bates	172 Cambrault	148
Kumar	173 Cambrault	148
Hunold	103 De Haan	102
Vishney	162 Errazuriz	147
Greene	163 Errazuriz	147
Marvins	164 Errazuriz	147
Lee	165 Errazuriz	147

Employee	EMP# Manager	MN#
-----	-----	-----
Ande	166 Errazuriz	147
Banda	167 Errazuriz	147
Bissot	129 Fripp	121
Atkinson	130 Fripp	121
Marlow	131 Fripp	121
Olson	132 Fripp	121
Sarchand	184 Fripp	121
Bull	185 Fripp	121
Dellinger	186 Fripp	121
Cabrio	187 Fripp	121
Faviet	109 Greenberg	108

Employee	EMP# Manager	MN#
-----	-----	-----
Chen	110 Greenberg	108
Sciarra	111 Greenberg	108
Urman	112 Greenberg	108
Popp	113 Greenberg	108
Fay	202 Hartstein	201
Gietz	206 Higgins	205
Ernst	104 Hunold	103
Austin	105 Hunold	103
Pataballa	106 Hunold	103
Lorentz	107 Hunold	103
Mallin	133 Kaufling	122

Employee	EMP#	Manager	MN#
Rogers	134	Kaufling	122
Gee	135	Kaufling	122
Philtanker	136	Kaufling	122
Chung	188	Kaufling	122
Dilly	189	Kaufling	122
Gates	190	Kaufling	122
Perkins	191	Kaufling	122
Kochhar	101	King	100
De Haan	102	King	100
Raphaely	114	King	100
Weiss	120	King	100

Employee	EMP#	Manager	MN#
Fripp	121	King	100
Kaufling	122	King	100
Vollman	123	King	100
Mourgos	124	King	100
Russell	145	King	100
Partners	146	King	100
Errazuriz	147	King	100
Cambrault	148	King	100
Zlotkey	149	King	100
Hartstein	201	King	100
Greenberg	108	Kochhar	101

Employee	EMP#	Manager	MN#
Whalen	200	Kochhar	101
Mavris	203	Kochhar	101
Baer	204	Kochhar	101
Higgins	205	Kochhar	101
Rajs	141	Mourgos	124
Davies	142	Mourgos	124
Matos	143	Mourgos	124
Vargas	144	Mourgos	124
Walsh	196	Mourgos	124
Feeney	197	Mourgos	124
OConnell	198	Mourgos	124

Employee	EMP#	Manager	MN#
Grant	199	Mourgos	124
King	156	Partners	146
Sully	157	Partners	146
McEwen	158	Partners	146
Smith	159	Partners	146
Doran	160	Partners	146
Sewall	161	Partners	146
Khoo	115	Raphaely	114
Baida	116	Raphaely	114
Tobias	117	Raphaely	114
Himuro	118	Raphaely	114

Employee	EMP#	Manager	MN#
Colmenares	119	Raphaely	114
Tucker	150	Russell	145

Bernstein	151	Russell	145
Hall	152	Russell	145
Olsen	153	Russell	145
Cambrault	154	Russell	145
Tuvault	155	Russell	145
Ladwig	137	Vollman	123
Stiles	138	Vollman	123
Seo	139	Vollman	123
Patel	140	Vollman	123

Employee	EMP#	Manager	MN#
Bell	192	Vollman	123
Everett	193	Vollman	123
McCain	194	Vollman	123
Jones	195	Vollman	123
Nayer	125	Weiss	120
Mikkilineni	126	Weiss	120
Landry	127	Weiss	120
Markle	128	Weiss	120
Taylor	180	Weiss	120
Fleaur	181	Weiss	120
Sullivan	182	Weiss	120

Employee	EMP#	Manager	MN#
Geoni	183	Weiss	120
Abel	174	Zlotkey	149
Hutton	175	Zlotkey	149
Taylor	176	Zlotkey	149
Livingston	177	Zlotkey	149
Grant	178	Zlotkey	149
Johnson	179	Zlotkey	149

106 rows selected.

Employee	EMP#	Manager	MN#
Ozer	168	Cambrault	148
Bloom	169	Cambrault	148
Fox	170	Cambrault	148
Smith	171	Cambrault	148
Bates	172	Cambrault	148
Kumar	173	Cambrault	148
Hunold	103	De Haan	102
Vishney	162	Errazuriz	147
Greene	163	Errazuriz	147
Marvins	164	Errazuriz	147
Lee	165	Errazuriz	147

Employee	EMP#	Manager	MN#
Ande	166	Errazuriz	147
Banda	167	Errazuriz	147
Bissot	129	Frapp	121
Atkinson	130	Frapp	121
Marlow	131	Frapp	121
Olson	132	Frapp	121
Sarchand	184	Frapp	121
Bull	185	Frapp	121

Dellinger	186	Frripp	121
Cabrio	187	Frripp	121
Faviet	109	Greenberg	108

Employee	EMP#	Manager	MN#
-----	-----	-----	-----
Chen	110	Greenberg	108
Sciarra	111	Greenberg	108
Urman	112	Greenberg	108
Popp	113	Greenberg	108
Fay	202	Hartstein	201
Gietz	206	Higgins	205
Ernst	104	Hunold	103
Austin	105	Hunold	103
Pataballa	106	Hunold	103
Lorentz	107	Hunold	103
Mallin	133	Kaufling	122

Employee	EMP#	Manager	MN#
-----	-----	-----	-----
Rogers	134	Kaufling	122
Gee	135	Kaufling	122
Philtanker	136	Kaufling	122
Chung	188	Kaufling	122
Dilly	189	Kaufling	122
Gates	190	Kaufling	122
Perkins	191	Kaufling	122
Kochhar	101	King	100
De Haan	102	King	100
Raphaely	114	King	100
Weiss	120	King	100

Employee	EMP#	Manager	MN#
-----	-----	-----	-----
Frripp	121	King	100
Kaufling	122	King	100
Vollman	123	King	100
Mourgos	124	King	100
Russell	145	King	100
Partners	146	King	100
Errazuriz	147	King	100
Cambrault	148	King	100
Zlotkey	149	King	100
Hartstein	201	King	100
Greenberg	108	Kochhar	101

Employee	EMP#	Manager	MN#
-----	-----	-----	-----
Whalen	200	Kochhar	101
Mavris	203	Kochhar	101
Baer	204	Kochhar	101
Higgins	205	Kochhar	101
Rajs	141	Mourgos	124
Davies	142	Mourgos	124
Matos	143	Mourgos	124
Vargas	144	Mourgos	124
Walsh	196	Mourgos	124
Feeney	197	Mourgos	124
OConnell	198	Mourgos	124

Employee	EMP#	Manager	MN#
----------	------	---------	-----

Grant	199	Mourgos	124
King	156	Partners	146
Sully	157	Partners	146
McEwen	158	Partners	146
Smith	159	Partners	146
Doran	160	Partners	146
Sewall	161	Partners	146
Khoo	115	Raphaely	114
Baida	116	Raphaely	114
Tobias	117	Raphaely	114
Himuro	118	Raphaely	114

Employee	EMP#	Manager	MN#
Colmenares	119	Raphaely	114
Tucker	150	Russell	145
Bernstein	151	Russell	145
Hall	152	Russell	145
Olsen	153	Russell	145
Cambrault	154	Russell	145
Tuvault	155	Russell	145
Ladwig	137	Vollman	123
Stiles	138	Vollman	123
Seo	139	Vollman	123
Patel	140	Vollman	123

Employee	EMP#	Manager	MN#
Bell	192	Vollman	123
Everett	193	Vollman	123
McCain	194	Vollman	123
Jones	195	Vollman	123
Nayer	125	Weiss	120
Mikkilineni	126	Weiss	120
Landry	127	Weiss	120
Markle	128	Weiss	120
Taylor	180	Weiss	120
Fleaur	181	Weiss	120
Sullivan	182	Weiss	120

Employee	EMP#	Manager	MN#
Geoni	183	Weiss	120
Abel	174	Zlotkey	149
Hutton	175	Zlotkey	149
Taylor	176	Zlotkey	149
Livingston	177	Zlotkey	149
Grant	178	Zlotkey	149
Johnson	179	Zlotkey	149
King	100		

107 rows selected.

```

select e.last_name "NAME", e.hire_date "Hire Date"
from HR.employees e, HR.employees davies
where davies.last_name = 'Davies' and davies.hire_date < e.hire_date;

```

NAME	Hire Date
Kochhar	21-SEP-05
Hunold	03-JAN-06
Ernst	21-MAY-07
Austin	25-JUN-05
Pataballa	05-FEB-06
Lorentz	07-FEB-07
Chen	28-SEP-05
Sciarra	30-SEP-05
Urman	07-MAR-06
Popp	07-DEC-07
Baida	24-DEC-05

NAME	Hire Date
Tobias	24-JUL-05
Himuro	15-NOV-06
Colmenares	10-AUG-07
Fripp	10-APR-05
Vollman	10-OCT-05
Mourgos	16-NOV-07
Nayer	16-JUL-05
Mikkilineni	28-SEP-06
Landry	14-JAN-07
Markle	08-MAR-08
Bissot	20-AUG-05

NAME	Hire Date
Atkinson	30-OCT-05
Marlow	16-FEB-05
Olson	10-APR-07
Rogers	26-AUG-06
Gee	12-DEC-07
Philtanker	06-FEB-08
Stiles	26-OCT-05
Seo	12-FEB-06
Patel	06-APR-06
Matos	15-MAR-06
Vargas	09-JUL-06

NAME	Hire Date
Errazuriz	10-MAR-05
Cambrault	15-OCT-07
Zlotkey	29-JAN-08
Tucker	30-JAN-05
Bernstein	24-MAR-05
Hall	20-AUG-05
Olsen	30-MAR-06
Cambrault	09-DEC-06
Tuvault	23-NOV-07
Smith	10-MAR-05
Doran	15-DEC-05

NAME	Hire Date
------	-----------

Sewall	03-NOV-06
Vishney	11-NOV-05
Greene	19-MAR-07
Marvins	24-JAN-08
Lee	23-FEB-08
Ande	24-MAR-08
Banda	21-APR-08
Ozer	11-MAR-05
Bloom	23-MAR-06
Fox	24-JAN-06
Smith	23-FEB-07

NAME	Hire Date
Bates	24-MAR-07
Kumar	21-APR-08
Hutton	19-MAR-05
Taylor	24-MAR-06
Livingston	23-APR-06
Grant	24-MAY-07
Johnson	04-JAN-08
Taylor	24-JAN-06
Fleaur	23-FEB-06
Sullivan	21-JUN-07
Geoni	03-FEB-08

NAME	Hire Date
Bull	20-FEB-05
Dellinger	24-JUN-06
Cabrio	07-FEB-07
Chung	14-JUN-05
Dilly	13-AUG-05
Gates	11-JUL-06
Perkins	19-DEC-07
Everett	03-MAR-05
McCain	01-JUL-06
Jones	17-MAR-07
Walsh	24-APR-06

NAME	Hire Date
Feeney	23-MAY-06
OConnell	21-JUN-07
Grant	13-JAN-08
Fay	17-AUG-05

81 rows selected.

```

select e.last_name "Employee", e.hire_date "Emp Hired", m.last_name "Manager",
m.hire_date "Mgr Hired"
from HR.employees e, HR.employees m
where e.manager_id = m.employee_id and e.hire_date < m.hire_date;

```

Employee	Emp Hired	Manager	Mgr Hired
De Haan	13-JAN-01	King	17-JUN-03
Raphaely	07-DEC-02	King	17-JUN-03
Kaufling	01-MAY-03	King	17-JUN-03
Greenberg	17-AUG-02	Kochhar	21-SEP-05

Whalen	17-SEP-03	Kochhar	21-SEP-05
Mavris	07-JUN-02	Kochhar	21-SEP-05
Baer	07-JUN-02	Kochhar	21-SEP-05
Higgins	07-JUN-02	Kochhar	21-SEP-05
Austin	25-JUN-05	Hunold	03-JAN-06
Faviet	16-AUG-02	Greenberg	17-AUG-02
Marlow	16-FEB-05	Frapp	10-APR-05

Employee	Emp Hired	Manager	Mgr Hired

Sarchand	27-JAN-04	Frapp	10-APR-05
Bull	20-FEB-05	Frapp	10-APR-05
Ladwig	14-JUL-03	Vollman	10-OCT-05
Bell	04-FEB-04	Vollman	10-OCT-05
Everett	03-MAR-05	Vollman	10-OCT-05
Rajs	17-OCT-03	Mourgos	16-NOV-07
Davies	29-JAN-05	Mourgos	16-NOV-07
Matos	15-MAR-06	Mourgos	16-NOV-07
Vargas	09-JUL-06	Mourgos	16-NOV-07
Walsh	24-APR-06	Mourgos	16-NOV-07
Feeney	23-MAY-06	Mourgos	16-NOV-07

Employee	Emp Hired	Manager	Mgr Hired

OConnell	21-JUN-07	Mourgos	16-NOV-07
King	30-JAN-04	Partners	05-JAN-05
Sully	04-MAR-04	Partners	05-JAN-05
McEwen	01-AUG-04	Partners	05-JAN-05
Ozer	11-MAR-05	Cambrault	15-OCT-07
Bloom	23-MAR-06	Cambrault	15-OCT-07
Fox	24-JAN-06	Cambrault	15-OCT-07
Smith	23-FEB-07	Cambrault	15-OCT-07
Bates	24-MAR-07	Cambrault	15-OCT-07
Abel	11-MAY-04	Zlotkey	29-JAN-08
Hutton	19-MAR-05	Zlotkey	29-JAN-08

Employee	Emp Hired	Manager	Mgr Hired

Taylor	24-MAR-06	Zlotkey	29-JAN-08
Livingston	23-APR-06	Zlotkey	29-JAN-08
Grant	24-MAY-07	Zlotkey	29-JAN-08
Johnson	04-JAN-08	Zlotkey	29-JAN-08

37 rows selected.

```
CREATE OR REPLACE VIEW employees_vu AS
select employee_id, last_name employee, department_id
from HR.employees;
```

View EMPLOYEES_VU created.

```
select * from employees_vu;
```

EMPLOYEE_ID	EMPLOYEE	DEPARTMENT_ID

100	King	90
101	Kochhar	90
102	De Haan	90
103	Hunold	60
104	Ernst	60
105	Austin	60

106	Pataballa	60
107	Lorentz	60
108	Greenberg	100
109	Faviet	100
110	Chen	100

EMPLOYEE_ID	EMPLOYEE	DEPARTMENT_ID
111	Sciarra	100
112	Urman	100
113	Popp	100
114	Raphaely	30
115	Khoo	30
116	Baida	30
117	Tobias	30
118	Himuro	30
119	Colmenares	30
120	Weiss	50
121	Fripp	50

EMPLOYEE_ID	EMPLOYEE	DEPARTMENT_ID
122	Kaufling	50
123	Vollman	50
124	Mourgos	50
125	Nayer	50
126	Mikkilineni	50
127	Landry	50
128	Markle	50
129	Bissot	50
130	Atkinson	50
131	Marlow	50
132	Olson	50

EMPLOYEE_ID	EMPLOYEE	DEPARTMENT_ID
133	Mallin	50
134	Rogers	50
135	Gee	50
136	Philtanker	50
137	Ladwig	50
138	Stiles	50
139	Seo	50
140	Patel	50
141	Rajs	50
142	Davies	50
143	Matos	50

EMPLOYEE_ID	EMPLOYEE	DEPARTMENT_ID
144	Vargas	50
145	Russell	80
146	Partners	80
147	Errazuriz	80
148	Cambrault	80
149	Zlotkey	80
150	Tucker	80
151	Bernstein	80
152	Hall	80
153	Olsen	80
154	Cambrault	80

EMPLOYEE_ID	EMPLOYEE	DEPARTMENT_ID
155	Tuvault	80
156	King	80
157	Sully	80
158	McEwen	80
159	Smith	80
160	Doran	80
161	Sewall	80
162	Vishney	80
163	Greene	80
164	Marvins	80
165	Lee	80

EMPLOYEE_ID	EMPLOYEE	DEPARTMENT_ID
166	Ande	80
167	Banda	80
168	Ozer	80
169	Bloom	80
170	Fox	80
171	Smith	80
172	Bates	80
173	Kumar	80
174	Abel	80
175	Hutton	80
176	Taylor	80

EMPLOYEE_ID	EMPLOYEE	DEPARTMENT_ID
177	Livingston	80
178	Grant	
179	Johnson	80
180	Taylor	50
181	Fleaur	50
182	Sullivan	50
183	Geoni	50
184	Sarchand	50
185	Bull	50
186	Dellinger	50
187	Cabrio	50

EMPLOYEE_ID	EMPLOYEE	DEPARTMENT_ID
188	Chung	50
189	Dilly	50
190	Gates	50
191	Perkins	50
192	Bell	50
193	Everett	50
194	McCain	50
195	Jones	50
196	Walsh	50
197	Feeney	50
198	OConnell	50

EMPLOYEE_ID	EMPLOYEE	DEPARTMENT_ID
199	Grant	50
200	Whalen	10

201 Hartstein	20
202 Fay	20
203 Mavris	40
204 Baer	70
205 Higgins	110
206 Gietz	110

107 rows selected.

set long 600

```
SELECT view_name, text
FROM user_views;
```

```
VIEW_NAME
TEXT
```

```
-----
-----
-----
```

DEPT50

```
select employee_id "EMPNO", last_name "EMPLOYEE", department_id "DEPTNO"
```

```
from HR.employees
```

```
where department_id = '50'
```

```
with check option
```

EMPLOYEES_VU

```
select employee_id, last_name employee, department_id
```

```
from HR.employees
```

```
select employee, department_id
from employees_vu;
```

EMPLOYEE	DEPARTMENT_ID
King	90
Kochhar	90
De Haan	90
Hunold	60
Ernst	60
Austin	60
Pataballa	60
Lorentz	60
Greenberg	100
Faviet	100
Chen	100

EMPLOYEE	DEPARTMENT_ID
Sciarra	100
Urman	100
Popp	100
Raphaely	30
Khoo	30
Baida	30
Tobias	30
Himuro	30
Colmenares	30
Weiss	50

Frapp	50
-------	----

EMPLOYEE	DEPARTMENT_ID
-----	-----
Kaufling	50
Vollman	50
Mourgos	50
Nayer	50
Mikkilineni	50
Landry	50
Markle	50
Bissot	50
Atkinson	50
Marlow	50
Olson	50

EMPLOYEE	DEPARTMENT_ID
-----	-----
Mallin	50
Rogers	50
Gee	50
Philtanker	50
Ladwig	50
Stiles	50
Seo	50
Patel	50
Rajs	50
Davies	50
Matos	50

EMPLOYEE	DEPARTMENT_ID
-----	-----
Vargas	50
Russell	80
Partners	80
Errazuriz	80
Cambrault	80
Zlotkey	80
Tucker	80
Bernstein	80
Hall	80
Olsen	80
Cambrault	80

EMPLOYEE	DEPARTMENT_ID
-----	-----
Tuvault	80
King	80
Sully	80
McEwen	80
Smith	80
Doran	80
Sewall	80
Vishney	80
Greene	80
Marvins	80
Lee	80

EMPLOYEE	DEPARTMENT_ID
-----	-----
Ande	80

Banda	80
Ozer	80
Bloom	80
Fox	80
Smith	80
Bates	80
Kumar	80
Abel	80
Hutton	80
Taylor	80

EMPLOYEE	DEPARTMENT_ID
Livingston	80
Grant	
Johnson	80
Taylor	50
Fleaur	50
Sullivan	50
Geoni	50
Sarchand	50
Bull	50
Dellinger	50
Cabrio	50

EMPLOYEE	DEPARTMENT_ID
Chung	50
Dilly	50
Gates	50
Perkins	50
Bell	50
Everett	50
McCain	50
Jones	50
Walsh	50
Feeney	50
OConnell	50

EMPLOYEE	DEPARTMENT_ID
Grant	50
Whalen	10
Hartstein	20
Fay	20
Mavris	40
Baer	70
Higgins	110
Gietz	110

107 rows selected.

```
CREATE VIEW DEPT50 AS
select employee_id "EMPNO", last_name "EMPLOYEE", department_id "DEPTNO"
from HR.employees
where department_id = 50;
```

Error starting at line : 66 in command -

```
CREATE VIEW DEPT50 AS
select employee_id "EMPNO", last_name "EMPLOYEE", department_id "DEPTNO"
```

```

from HR.employees
where department_id = 50
Error report -
ORA-00955: name is already used by an existing object
00955. 00000 - "name is already used by an existing object"
*Cause:
*Action:

```

```

DESCRIBE DEPT50
select *
from DEPT50;

```

```

Name          Null?     Type
-----
EMPNO         NOT NULL  NUMBER(6)
EMPLOYEE      NOT NULL  VARCHAR2(25)
DEPTNO                NUMBER(4)

```

```

      EMPNO  EMPLOYEE
-----
      120 Weiss
      121 Fripp
      122 Kaufling
      123 Vollman
      124 Mourgos
      125 Nayer
      126 Mikkilineni
      127 Landry
      128 Markle
      129 Bisso
      130 Atkinson

```

```

      EMPNO  EMPLOYEE
-----
      131 Marlow
      132 Olson
      133 Mallin
      134 Rogers
      135 Gee
      136 Philtanker
      137 Ladwig
      138 Stiles
      139 Seo
      140 Patel
      141 Rajs

```

```

      EMPNO  EMPLOYEE
-----
      142 Davies
      143 Matos
      144 Vargas
      180 Taylor
      181 Fleaur
      182 Sullivan
      183 Geoni
      184 Sarchand
      185 Bull
      186 Dellinger
      187 Cabrio

```

EMPNO	EMPLOYEE	DEPTNO
188	Chung	50
189	Dilly	50
190	Gates	50
191	Perkins	50
192	Bell	50
193	Everett	50
194	McCain	50
195	Jones	50
196	Walsh	50
197	Feeney	50
198	OConnell	50

EMPNO	EMPLOYEE	DEPTNO
199	Grant	50

45 rows selected.

```
select view_name, text
from user_views;
```

```
VIEW_NAME
TEXT
```

```
DEPT50
select employee_id "EMPNO", last_name "EMPLOYEE", department_id "DEPTNO"

from HR.employees

where department_id = '50'

with check option

EMPLOYEES_VU
select employee_id, last_name employee, department_id

from HR.employees
```

```
update DEPT50
set deptno = 80
where employee = 'Matos';
```

Error starting at line : 78 in command -

```
update DEPT50
set deptno = 80
where employee = 'Matos'
```

Error at Command Line : 78 Column : 8

Error report -

SQL Error: ORA-01031: insufficient privileges

01031. 00000 - "insufficient privileges"

*Cause: An attempt was made to perform a database operation without the necessary privileges.

*Action: Ask your database administrator or designated security administrator to grant you the necessary privileges