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## Lab 7

```
select city from hr.locations
intersect
select state_province from hr.locations;
```

CITY

```
-----
Oxford
Sao Paulo
Utrecht
```

```
select count(*)
from (
(select city from hr.locations union select state_province from HR.locations)
minus
(select city from hr.locations intersect select state_province from HR.locations)
);
```

COUNT(\*)

```
-----
35
```

```
select count(*)
from (
(select city from hr.locations)
union all
(select state_province from HR.locations)
);
```

COUNT(\*)

```
-----
46
```

```
select first_name, last_name from hr.employees where department_id = 10
minus
select first_name, last_name from hr.employees where department_id != 10;
```

FIRST\_NAME

LAST\_NAME

```
-----
Jennifer          Whalen
```

```
create table empl_dup
as (select * from hr.employees);
```

Table EMPL\_DUP created.

```
create or replace view employees_vu
as (select employee_id, first_name "EMPLOYEE", department_id from empl_dup);
```

View EMPLOYEES\_VU created.

```
select * from employees_vu;
```

EMPLOYEE_ID	EMPLOYEE	DEPARTMENT_ID
100	Steven	90
101	Neena	90
102	Lex	90
103	Alexander	60
104	Bruce	60
105	David	60
106	Valli	60
107	Diana	60
108	Nancy	100
109	Daniel	100
110	John	100

EMPLOYEE_ID	EMPLOYEE	DEPARTMENT_ID
111	Ismael	100
112	Jose Manuel	100
113	Luis	100
114	Den	30
115	Alexander	30
116	Shelli	30
117	Sigal	30
118	Guy	30
119	Karen	30
120	Matthew	50
121	Adam	50

EMPLOYEE_ID	EMPLOYEE	DEPARTMENT_ID
122	Payam	50
123	Shanta	50
124	Kevin	50
125	Julia	50
126	Irene	50
127	James	50
128	Steven	50
129	Laura	50
130	Mozhe	50
131	James	50
132	TJ	50

EMPLOYEE_ID	EMPLOYEE	DEPARTMENT_ID
133	Jason	50
134	Michael	50
135	Ki	50

136	Hazel	50
137	Renske	50
138	Stephen	50
139	John	50
140	Joshua	50
141	Trenna	50
142	Curtis	50
143	Randall	50

EMPLOYEE_ID	EMPLOYEE	DEPARTMENT_ID
144	Peter	50
145	John	80
146	Karen	80
147	Alberto	80
148	Gerald	80
149	Eleni	80
150	Peter	80
151	David	80
152	Peter	80
153	Christopher	80
154	Nanette	80

EMPLOYEE_ID	EMPLOYEE	DEPARTMENT_ID
155	Oliver	80
156	Janette	80
157	Patrick	80
158	Allan	80
159	Lindsey	80
160	Louise	80
161	Sarath	80
162	Clara	80
163	Danielle	80
164	Mattea	80
165	David	80

EMPLOYEE_ID	EMPLOYEE	DEPARTMENT_ID
166	Sundar	80
167	Amit	80
168	Lisa	80
169	Harrison	80
170	Tayler	80
171	William	80
172	Elizabeth	80
173	Sundita	80
174	Ellen	80
175	Alyssa	80
176	Jonathon	80

EMPLOYEE_ID	EMPLOYEE	DEPARTMENT_ID
177	Jack	80
178	Kimberely	
179	Charles	80
180	Winston	50
181	Jean	50
182	Martha	50
183	Girard	50
184	Nandita	50

185	Alexis	50
186	Julia	50
187	Anthony	50

EMPLOYEE_ID	EMPLOYEE	DEPARTMENT_ID
188	Kelly	50
189	Jennifer	50
190	Timothy	50
191	Randall	50
192	Sarah	50
193	Britney	50
194	Samuel	50
195	Vance	50
196	Alana	50
197	Kevin	50
198	Donald	50

EMPLOYEE_ID	EMPLOYEE	DEPARTMENT_ID
199	Douglas	50
200	Jennifer	10
201	Michael	20
202	Pat	20
203	Susan	40
204	Hermann	70
205	Shelley	110
206	William	110

107 rows selected.

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

VIEW_NAME	TEXT
-----------	------

```
DEPT50
(select employee_id, last_name, department_id from empl_dup where department_id
EMPLOYEE HOURLY RATE
select round(e.salary/408, 2) "HOURLY RATE"

from emp e

EMPLOYEES_VU
(select employee_id, first_name "EMPLOYEE", department_id from empl_dup)
```

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

EMPLOYEE	DEPARTMENT_ID
Steven	90
Neena	90
Lex	90
Alexander	60
Bruce	60
David	60
Valli	60

Diana	60
Nancy	100
Daniel	100
John	100

EMPLOYEE	DEPARTMENT_ID
-----	-----
Ismael	100
Jose Manuel	100
Luis	100
Den	30
Alexander	30
Shelli	30
Sigal	30
Guy	30
Karen	30
Matthew	50
Adam	50

EMPLOYEE	DEPARTMENT_ID
-----	-----
Payam	50
Shanta	50
Kevin	50
Julia	50
Irene	50
James	50
Steven	50
Laura	50
Mozhe	50
James	50
TJ	50

EMPLOYEE	DEPARTMENT_ID
-----	-----
Jason	50
Michael	50
Ki	50
Hazel	50
Renske	50
Stephen	50
John	50
Joshua	50
Trenna	50
Curtis	50
Randall	50

EMPLOYEE	DEPARTMENT_ID
-----	-----
Peter	50
John	80
Karen	80
Alberto	80
Gerald	80
Eleni	80
Peter	80
David	80
Peter	80
Christopher	80
Nanette	80

EMPLOYEE	DEPARTMENT_ID
-----	-----
Oliver	80
Janette	80
Patrick	80
Allan	80
Lindsey	80
Louise	80
Sarath	80
Clara	80
Danielle	80
Mattea	80
David	80

EMPLOYEE	DEPARTMENT_ID
-----	-----
Sundar	80
Amit	80
Lisa	80
Harrison	80
Taylor	80
William	80
Elizabeth	80
Sundita	80
Ellen	80
Alyssa	80
Jonathon	80

EMPLOYEE	DEPARTMENT_ID
-----	-----
Jack	80
Kimberely	
Charles	80
Winston	50
Jean	50
Martha	50
Girard	50
Nandita	50
Alexis	50
Julia	50
Anthony	50

EMPLOYEE	DEPARTMENT_ID
-----	-----
Kelly	50
Jennifer	50
Timothy	50
Randall	50
Sarah	50
Britney	50
Samuel	50
Vance	50
Alana	50
Kevin	50
Donald	50

EMPLOYEE	DEPARTMENT_ID
-----	-----
Douglas	50
Jennifer	10
Michael	20

Pat	20
Susan	40
Hermann	70
Shelley	110
William	110

107 rows selected.

```
create or replace view dept50
as (select employee_id, last_name, department_id from empl_dup where department_id = 50);
```

View DEPT50 created.

```
select * from dept50 order by last_name;
```

EMPLOYEE_ID	LAST_NAME	DEPARTMENT_ID
130	Atkinson	50
192	Bell	50
129	Bissot	50
185	Bull	50
187	Cabrio	50
188	Chung	50
142	Davies	50
186	Dellinger	50
189	Dilly	50
193	Everett	50
197	Feeney	50

EMPLOYEE_ID	LAST_NAME	DEPARTMENT_ID
181	Fleaur	50
121	Fripp	50
190	Gates	50
135	Gee	50
183	Geoni	50
199	Grant	50
195	Jones	50
122	Kaufling	50
137	Ladwig	50
127	Landry	50
133	Mallin	50

EMPLOYEE_ID	LAST_NAME	DEPARTMENT_ID
128	Markle	50
131	Marlow	50
143	Matos	50
194	McCain	50
126	Mikkilineni	50
124	Mourgos	50
125	Nayer	50
198	OConnell	50
132	Olson	50
140	Patel	50
191	Perkins	50

EMPLOYEE_ID	LAST_NAME	DEPARTMENT_ID
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136	Philtanker	50
141	Rajs	50
134	Rogers	50
184	Sarchand	50
139	Seo	50
138	Stiles	50
182	Sullivan	50
180	Taylor	50
144	Vargas	50
123	Vollman	50
196	Walsh	50

EMPLOYEE_ID	LAST_NAME	DEPARTMENT_ID
120	Weiss	50

45 rows selected.

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

VIEW_NAME	TEXT
-----------	------

```
DEPT50
(select employee_id, last_name, department_id from empl_dup where department_id
EMPLOYEE HOURLY RATE
select round(e.salary/408, 2) "HOURLY RATE"

from emp e

EMPLOYEES_VU
(select employee_id, first_name "EMPLOYEE", department_id from empl_dup)
```

```
update dept50 set department_id = 80 where last_name = 'Matos';
```

1 row updated.