

## 1.1 Select \* from hr.countries

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the query: `Select * from hr.countries;`. The results are displayed in a table with the following data:

COUNTRY_ID	COUNTRY_NAME	REGION_ID
AR	Argentina	2
AU	Australia	3
BE	Belgium	1
BR	Brazil	2
CA	Canada	2
CH	Switzerland	1
CH	China	3
DE	Germany	1
DK	Denmark	1
EG	Egypt	4
FR	France	1
IL	Israel	4
IN	India	3
IT	Italy	1
JP	Japan	3
KW	Kuwait	4

## 1.2 Select country\_id, country\_name, region\_id from hr.countries

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the query: `Select country_id, country_name, region_id from hr.countries;`. The results are displayed in a table with the following data:

COUNTRY_ID	COUNTRY_NAME	REGION_ID
AR	Argentina	2
AU	Australia	3
BE	Belgium	1
BR	Brazil	2
CA	Canada	2
CH	Switzerland	1
CH	China	3
DE	Germany	1
DK	Denmark	1
EG	Egypt	4
FR	France	1
IL	Israel	4
IN	India	3
IT	Italy	1
JP	Japan	3
KW	Kuwait	4

## 2. Select \* from hr.employees where department\_id=100

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Live SQL

SQL Worksheet

```
1 Select * from hr.employees where department_id=100
```

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
108	Nancy	Greenberg	NGREENBE	515.124.4569	17-AUG-02	FI_MGR	12008	-	101	100
109	Daniel	Faviet	DFAVIET	515.124.4169	16-AUG-02	FI_ACCOUNT	9000	-	108	100
110	John	Chen	JCHEN	515.124.4269	28-SEP-05	FI_ACCOUNT	8200	-	108	100
111	Ismail	Sciarra	ISCIARRA	515.124.4369	30-SEP-05	FI_ACCOUNT	7700	-	108	100
112	Jose Manuel	Urman	JURMAN	515.124.4469	07-MAR-06	FI_ACCOUNT	7800	-	108	100
113	Luis	Popp	LPOPP	515.124.4567	07-DEC-07	FI_ACCOUNT	6900	-	108	100

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### 3.1 Select \* from hr.employees where department\_id=100 or department\_id=90 or department\_id=80

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Live SQL

SQL Worksheet

```
1 Select * from hr.employees where department_id=100 or department_id=90 or department_id=80
```

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
100	Steven	King	SKING	515.123.4567	17-JUN-03	AD_PRES	24000	-	-	90
101	Neena	Kochhar	NKOCHHAR	515.123.4568	21-SEP-05	AD_VP	17000	-	100	90
102	Lex	De Haan	LDEHAAN	515.123.4569	13-JAN-01	AD_VP	17000	-	100	90
108	Nancy	Greenberg	NGREENBE	515.124.4569	17-AUG-02	FI_MGR	12008	-	101	100
109	Daniel	Faviet	DFAVIET	515.124.4169	16-AUG-02	FI_ACCOUNT	9000	-	108	100
110	John	Chen	JCHEN	515.124.4269	28-SEP-05	FI_ACCOUNT	8200	-	108	100
111	Ismail	Sciarra	ISCIARRA	515.124.4369	30-SEP-05	FI_ACCOUNT	7700	-	108	100
112	Jose Manuel	Urman	JURMAN	515.124.4469	07-MAR-06	FI_ACCOUNT	7800	-	108	100
113	Luis	Popp	LPOPP	515.124.4567	07-DEC-07	FI_ACCOUNT	6900	-	108	100
145	John	Russell	JRUSSSEL	011.44.1344.429268	01-OCT-04	SA_MAN	14800	.4	100	80
146	Karen	Partners	KPARTNER	011.44.1344.467268	05-JAN-05	SA_MAN	13500	.3	100	80
147	Alberto	Errazuriz	AERRAZUR	011.44.1344.429278	10-MAR-05	SA_MAN	12000	.3	100	80
148	Gerald	Cambraut	GCAMBRAU	011.44.1344.619268	15-OCT-07	SA_MAN	11000	.3	100	80
149	Eleni	Zlotkey	EZLOTKEY	011.44.1344.429018	29-JAN-08	SA_MAN	10500	.2	100	80
150	Peter	Tucker	PTUCKER	011.44.1344.129268	30-JAN-05	SA_REP	10000	.3	145	80
151	David	Bernstein	DBERNISTE	011.44.1344.345268	24-MAR-05	SA_REP	9500	.25	145	80

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### 3.2 Select \* from hr.employees where department\_id in (100, 90, 80)

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 Select * from hr.employees where department_id in (100, 90, 80)
```

The results table is as follows:

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
100	Steven	King	SKING	515.123.4567	17-JUN-03	AD_PRES	24000	-	-	90
101	Neena	Kochhar	NKOCHHAR	515.123.4568	21-SEP-05	AD_VP	17000	-	100	90
102	Lex	De Haan	LDEHAAN	515.123.4569	13-JAN-01	AD_VP	17000	-	100	90
108	Nancy	Greenberg	NGREENBE	515.124.4569	17-AUG-02	FI_MGR	12000	-	101	100
109	Daniel	Faviet	DFAVIET	515.124.4169	16-AUG-02	FI_ACCOUNT	9000	-	108	100
110	John	Chen	JCHEN	515.124.4269	28-SEP-05	FI_ACCOUNT	8200	-	108	100
111	Ismail	Sciarra	ISCIARRA	515.124.4369	30-SEP-05	FI_ACCOUNT	7700	-	108	100
112	Jose Manuel	Urman	JURMAN	515.124.4469	07-MAR-06	FI_ACCOUNT	7900	-	108	100
113	Luis	Popp	LPOPP	515.124.4567	07-DEC-07	FI_ACCOUNT	6900	-	108	100
145	John	Russell	JRUSSEL	011.44.1344.429268	01-OCT-04	SA_MAN	14000	.4	100	80
146	Karen	Partners	KPARTNER	011.44.1344.467268	05-JAN-05	SA_MAN	13500	.3	100	80
147	Alberto	Errazuriz	AERRAZUR	011.44.1344.429278	10-MAR-05	SA_MAN	12000	.3	100	80
148	Gerald	Cambraut	GCAMBRAU	011.44.1344.619268	15-OCT-07	SA_MAN	11000	.3	100	80
149	Eleni	Zlotkey	EZLOTKEY	011.44.1344.429818	29-JAN-08	SA_MAN	10500	.2	100	80
150	Peter	Tucker	PTUCKER	011.44.1344.129268	30-JAN-05	SA_REP	10000	.3	145	80
151	David	Bernstein	DBERNSTE	011.44.1344.345268	24-MAR-05	SA_REP	9500	.25	145	80

3.3 Select \* from hr.employees where department\_id =100  
 UNION  
 Select \* from hr.employees where department\_id =90  
 UNION  
 Select \* from hr.employees where department\_id =80

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 Select * from hr.employees where department_id =100
2 UNION
3 Select * from hr.employees where department_id =90
4 UNION
5 Select * from hr.employees where department_id =80
6
```

The results table is identical to the one in the first screenshot, showing all employees from departments 100, 90, and 80.

4. Select \* from hr.employees where department\_id in (100, 90, 80) and salary >10000

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Live SQL

SQL Worksheet

```
1 Select * from hr.employees where department_id in (100, 90, 80) and salary >10000
```

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
100	Steven	King	SKING	515.123.4567	17-JUN-03	AD_PRES	24000	-	-	90
101	Neena	Kochhar	NKOCHHAR	515.123.4568	21-SEP-05	AD_VP	17000	-	-	100
102	Lex	De Haan	LDEHAAN	515.123.4569	13-JAN-01	AD_VP	17000	-	-	100
108	Nancy	Greenberg	NGREENBE	515.124.4569	17-AUG-02	FI_MGR	12000	-	-	101
145	John	Russell	JRUSSEL	011.44.1344.429268	01-OCT-04	SA_MAN	14000	.4	-	80
146	Karen	Partners	KPARTNER	011.44.1344.467268	05-JAN-05	SA_MAN	13500	.3	-	80
147	Alberto	Ernst	AERAZUR	011.44.1344.429278	10-MAR-05	SA_MAN	12000	.3	-	80
148	Gerald	Cambraull	GCAMBRAU	011.44.1344.619268	15-OCT-07	SA_MAN	11000	.3	-	80
149	Eleni	Zlotkey	EZLOTKEY	011.44.1344.429018	29-JAN-08	SA_MAN	10500	.2	-	80
162	Clara	Vishney	CVISHNEY	011.44.1346.129268	11-NOV-05	SA_REP	10500	.25	-	147
168	Lisa	Ozer	LOZER	011.44.1343.929268	11-MAR-05	SA_REP	11500	.25	-	148
174	Ellen	Abel	EABEL	011.44.1644.429267	11-MAY-04	SA_REP	11000	.3	-	149

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5. Select \* from hr.employees where first\_name like 'B%' and salary between 3500 and 10000

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Live SQL

SQL Worksheet

```
1 Select * from hr.employees where first_name like 'B%' and salary between 3500 and 10000
```

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
104	Bruce	Ernst	BERNST	590.423.4568	21-MAY-07	IT_PROG	6000	-	103	60
193	Britney	Everett	BEVERETT	650.501.2876	03-MAR-05	SH_CLERK	3000	-	123	50

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## 6. Select HIRE\_DATE, first\_name from hr.employees where first\_name like '\_I%'

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 Select HIRE_DATE, first_name from hr.employees where first_name like '_I%'
```

The results table is as follows:

HIRE_DATE	FIRST_NAME
03-JAN-86	Alexander
18-MAY-83	Alexander
10-MAR-85	Alberto
29-JAN-88	Eleni
23-NOV-87	Oliver
01-AUG-84	Allan
11-NOV-85	Clara
24-MAR-87	Elizabeth
...	...

## 7. Select \* from hr.employees where COMMISSION\_PCT is null and HIRE\_DATE > date '2007-01-01'

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 Select * from hr.employees where COMMISSION_PCT is null and HIRE_DATE > date '2007-01-01'
```

The results table is as follows:

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
104	Bruce	Ernst	BERNST	590.423.4568	21-MAY-07	IT_PROG	6000	-	103	60
107	Diana	Lorentz	DLORENTZ	590.423.5567	07-FEB-07	IT_PROG	4200	-	103	60
113	Luis	Popp	LPOPP	515.124.4567	07-DEC-07	FI_ACCOUNT	6900	-	108	100
119	Karen	Colmenares	KCOLMENEA	515.127.4566	10-AUG-07	PU_CLERK	2500	-	114	30
124	Kevin	Mourgos	KMOURGOS	650.123.5234	16-NOV-07	ST_MAN	5800	-	100	50
127	James	Landry	JLANDRY	650.124.1334	14-JAN-07	ST_CLERK	2400	-	120	50
128	Steven	Markle	SMARKLE	650.124.1434	08-MAR-08	ST_CLERK	2200	-	120	50
132	TJ	Oison	TJOLSON	650.124.8234	10-APR-07	ST_CLERK	2100	-	121	50
135	KI	Gee	KGEE	650.127.1734	12-DEC-07	ST_CLERK	2400	-	122	50
136	Hazel	Philtanker	HPHILTAN	650.127.1634	06-FEB-08	ST_CLERK	2200	-	122	50
182	Martha	Sullivan	MSULLIVA	650.507.9878	21-JUN-07	SH_CLERK	2500	-	120	50
183	Girard	Geoni	GGEONI	650.507.9879	03-FEB-08	SH_CLERK	2800	-	120	50
187	Anthony	Cabrio	ACABRIO	650.509.4876	07-FEB-07	SH_CLERK	3000	-	121	50
191	Randall	Perkins	RPERKINS	650.505.4876	19-DEC-07	SH_CLERK	2500	-	122	50
195	Vance	Jones	VJONES	650.501.4876	17-MAR-07	SH_CLERK	2800	-	123	50
198	Donald	OConnell	DOCONNEL	650.507.9833	21-JUN-07	SH_CLERK	2600	-	124	50

## 8. Select distinct hr.employees.salary, hr.departments.department\_name from hr.employees join hr.departments on hr.employees.department\_id=hr.departments.department\_id where hr.departments.department\_name='IT'

The screenshot shows the Live SQL interface with the following SQL query:

```

1 Select distinct hr.employees.salary, hr.departments.department_name
2 from hr.employees join hr.departments on hr.employees.department_id=hr.departments.department_id
3 where hr.departments.department_name='IT'
4

```

The results table is as follows:

SALARY	DEPARTMENT_NAME
9000	IT
4200	IT
6000	IT
4800	IT

Download CSV  
4 rows selected.

9. Select hr.employees.FIRST\_NAME,  
hr.employees.LAST\_NAME,  
hr.departments.DEPARTMENT\_NAME ,  
hr.employees.SALARY + NVL(COMMISSION\_PCT, .0) AS FinSalary,  
hr.employees.COMMISSION\_PCT  
from hr.employees  
join hr.departments on hr.employees.department\_id=hr.departments.department\_id  
where DEPARTMENT\_NAME = 'Sales'  
order by salary

The screenshot shows the Live SQL interface with the following SQL query:

```

1 Select hr.employees.FIRST_NAME,
2 hr.employees.LAST_NAME,
3 hr.departments.DEPARTMENT_NAME ,
4 hr.employees.SALARY + NVL(COMMISSION_PCT, .0) AS FinSalary,
5 hr.employees.COMMISSION_PCT
6 from hr.employees
7 join hr.departments on hr.employees.department_id=hr.departments.department_id
8 where DEPARTMENT_NAME = 'Sales'
9 order by salary
10
11
12

```

The results table is as follows:

FIRST_NAME	LAST_NAME	DEPARTMENT_NAME	FINSALARY	COMMISSION_PCT
Sundita	Kumar	Sales	6100.1	.1
Charles	Johnson	Sales	6200.1	.1
Amit	Banda	Sales	6200.1	.1
Sundar	Ande	Sales	6400.1	.1
David	Lee	Sales	6800.1	.1
Sarath	Sevalli	Sales	7000.25	.25
Oliver	Tuvault	Sales	7000.15	.15
Mattea	Marvins	Sales	7200.1	.1

```

10. Select hr.employees.FIRST_NAME,
hr.employees.LAST_NAME,
hr.departments.DEPARTMENT_NAME ,
hr.employees.SALARY + NVL(COMMISSION_PCT, .0) AS FinSalary ,
hr.employees.HIRE_DATE
from hr.employees
join hr.departments on hr.employees.department_id=hr.departments.department_id
where HIRE_DATE > date '2007-01-01'
order by salary desc

```

The screenshot shows the Oracle Live SQL interface. The SQL worksheet contains the following query:

```

1 Select hr.employees.FIRST_NAME,
2 hr.employees.LAST_NAME,
3 hr.departments.DEPARTMENT_NAME ,
4 hr.employees.SALARY + NVL(COMMISSION_PCT, .0) AS FinSalary ,
5 hr.employees.HIRE_DATE
6 from hr.employees
7 join hr.departments on hr.employees.department_id=hr.departments.department_id
8 where HIRE_DATE > date '2007-01-01'
9 order by salary desc
10

```

The results are displayed in a table with the following columns: FIRST\_NAME, LAST\_NAME, DEPARTMENT\_NAME, FINSALARY, and HIRE\_DATE.

FIRST_NAME	LAST_NAME	DEPARTMENT_NAME	FINSALARY	HIRE_DATE
Gerald	Cambault	Sales	11000.3	15-OCT-07
Eleni	Zlotkey	Sales	10500.2	29-JAN-08
Danielle	Greene	Sales	9500.15	19-MAR-07
William	Smith	Sales	7400.15	23-FEB-07
Elizabeth	Bates	Sales	7300.15	24-MAR-07
Mattea	Marvins	Sales	7200.1	24-JAN-08
Oliver	Tuvault	Sales	7000.15	23-NOV-07
Luis	Popp	Finance	6900	07-DEC-07

```

11. Select hr.employees.FIRST_NAME,
hr.employees.LAST_NAME,
(hr.employees.salary*100)/10000 AS Salary_Perc,
hr.departments.department_name
from hr.employees join hr.departments on
hr.employees.department_id=hr.departments.department_id
where hr.departments.department_name='IT'

```

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```

1 Select hr.employees.FIRST_NAME,
2 hr.employees.LAST_NAME,
3 (hr.employees.salary*100)/10000 AS Salary_Perc,
4 hr.departments.department_name
5 from hr.employees join hr.departments on hr.employees.department_id=hr.departments.department_id
6 where hr.departments.department_name='IT'
7

```

The results table is as follows:

FIRST_NAME	LAST_NAME	SALARY_PERC	DEPARTMENT_NAME
Alexander	HunoId	90	IT
Bruce	Ernst	60	IT
David	Austin	48	IT
Valli	Pataballa	48	IT
Diana	Lorentz	42	IT

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5 rows selected.

12. Select FIRST\_NAME, LAST\_NAME, HIRE\_DATE from hr.employees where regexp\_like( HIRE\_DATE, '\d\d-[A-J].+')

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```

1 Select FIRST_NAME, LAST_NAME, HIRE_DATE from hr.employees
2 where regexp_like( HIRE_DATE, '\d\d-[A-J].+')
3

```

The results table is as follows:

FIRST_NAME	LAST_NAME	HIRE_DATE
Steven	King	17-JUN-03
Lex	De Haan	13-JAN-01
Alexander	HunoId	03-JAN-06
David	Austin	25-JUN-05
Valli	Pataballa	05-FEB-06
Diana	Lorentz	07-FEB-07
Nancy	Greenberg	17-AUG-02
Daniel	Faviet	16-AUG-02

13. Select hr.departments.DEPARTMENT\_NAME, hr.locations.CITY from hr.departments join hr.locations ON hr.locations.LOCATION\_ID = hr.departments.LOCATION\_ID order by hr.departments.DEPARTMENT\_NAME



The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```

1 Select hr.departments.DEPARTMENT_NAME, hr.locations.CITY from hr.departments
2 join hr.locations ON hr.locations.LOCATION_ID = hr.departments.LOCATION_ID
3
4 order by hr.departments.DEPARTMENT_NAME
5

```

The results table is as follows:

DEPARTMENT_NAME	CITY
Accounting	Seattle
Administration	Seattle
Benefits	Seattle
Construction	Seattle
Contracting	Seattle
Control And Credit	Seattle
Corporate Tax	Seattle
Executive	Seattle

14. Select hr.departments.DEPARTMENT\_NAME, hr.locations.CITY, hr.countries.COUNTRY\_NAME from hr.departments  
 join hr.locations ON hr.locations.LOCATION\_ID = hr.departments.LOCATION\_ID  
 join hr.countries ON hr.locations.COUNTRY\_ID = hr.countries.COUNTRY\_ID  
 order by hr.departments.DEPARTMENT\_NAME

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```

1 Select hr.departments.DEPARTMENT_NAME, hr.locations.CITY, hr.countries.COUNTRY_NAME from hr.departments
2 join hr.locations ON hr.locations.LOCATION_ID = hr.departments.LOCATION_ID
3 join hr.countries ON hr.locations.COUNTRY_ID = hr.countries.COUNTRY_ID
4 order by hr.departments.DEPARTMENT_NAME
5

```

The results table is as follows:

DEPARTMENT_NAME	CITY	COUNTRY_NAME
Accounting	Seattle	United States of America
Administration	Seattle	United States of America
Benefits	Seattle	United States of America
Construction	Seattle	United States of America
Contracting	Seattle	United States of America
Control And Credit	Seattle	United States of America
Corporate Tax	Seattle	United States of America
Executive	Seattle	United States of America

15. Select hr.employees.FIRST\_NAME, hr.employees.LAST\_NAME, hr.countries.COUNTRY\_NAME, hr.employees.HIRE\_DATE from hr.employees  
 join hr.departments on hr.employees.department\_id=hr.departments.department\_id  
 join hr.locations ON hr.locations.LOCATION\_ID = hr.departments.LOCATION\_ID  
 join hr.countries ON hr.locations.COUNTRY\_ID = hr.countries.COUNTRY\_ID  
 where HIRE\_DATE > date '2006-12-31'

The screenshot shows the Live SQL interface with the following SQL query:

```

1 select hr.employees.FIRST_NAME, hr.employees.LAST_NAME, hr.countries.COUNTRY_NAME, hr.employees.HIRE_DATE from hr.employees
2 join hr.departments on hr.employees.department_id=hr.departments.department_id
3 join hr.locations on hr.locations.LOCATION_ID = hr.departments.LOCATION_ID
4 join hr.countries on hr.locations.COUNTRY_ID = hr.countries.COUNTRY_ID
5 where HIRE_DATE > date '2006-12-31'
6

```

The results table is as follows:

FIRST_NAME	LAST_NAME	COUNTRY_NAME	HIRE_DATE
Bruce	Ernst	United States of America	21-MAY-07
Diana	Lorentz	United States of America	07-FEB-07
Luis	Popp	United States of America	07-DEC-07
Karen	Colmenares	United States of America	18-AUG-07
Kevin	Hourgos	United States of America	16-NOV-07
James	Landry	United States of America	14-JAN-07
Steven	Markle	United States of America	08-MAR-08
TJ	Olson	United States of America	18-APR-07

16. Select a.FIRST\_NAME, a.LAST\_NAME, a.SALARY, a.EMPLOYEE\_ID, a.MANAGER\_ID from hr.employees a, hr.employees b where b.EMPLOYEE\_ID = a.MANAGER\_ID and a.salary>b.salary

The screenshot shows the Live SQL interface with the following SQL query:

```

1 select a.FIRST_NAME, a.LAST_NAME, a.SALARY, a.EMPLOYEE_ID, a.MANAGER_ID from hr.employees a, hr.employees b
2 where b.EMPLOYEE_ID = a.MANAGER_ID and a.salary>b.salary

```

The results table is as follows:

FIRST_NAME	LAST_NAME	SALARY	EMPLOYEE_ID	MANAGER_ID
Lisa	Ozer	11500	168	148
Ellen	Abel	11000	174	149

Download CSV  
2 rows selected.

17. Select MAX (SALARY), DEPARTMENT\_ID from hr.employees group by DEPARTMENT\_ID (не получается добавить имена)

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```

1 Select MAX (SALARY), DEPARTMENT_ID from hr.employees
2 group by DEPARTMENT_ID
3
4

```

The results table is as follows:

MAX(SALARY)	DEPARTMENT_ID
8200	50
6500	40
12000	110
24000	90
11000	30
10000	70
7000	-
4400	10
13000	20
9000	60
12000	100
14000	80

Download CSV  
12 rows selected.

18. Select COUNT(DEPARTMENT\_ID), DEPARTMENT\_ID from hr.employees group by DEPARTMENT\_ID having count (DEPARTMENT\_ID)<=3

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```

1 Select COUNT(DEPARTMENT_ID), DEPARTMENT_ID from hr.employees
2 group by DEPARTMENT_ID
3 having count (DEPARTMENT_ID)<=3

```

The results table is as follows:

COUNT(DEPARTMENT_ID)	DEPARTMENT_ID
1	40
2	110
3	90
1	70
0	-
1	10
2	20

Download CSV  
7 rows selected.

19. Select \* from hr.employees where manager\_id is null

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 select * from hr.employees
2 where manager_id is null
```

The results are displayed in a table with the following columns: EMPLOYEE\_ID, FIRST\_NAME, LAST\_NAME, EMAIL, PHONE\_NUMBER, HIRE\_DATE, JOB\_ID, SALARY, COMMISSION\_PCT, MANAGER\_ID, DEPARTMENT\_ID. The results table shows one row:

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
100	Steven	King	SKING	515.122.4567	17-JUN-03	AD_PRES	24000	-	-	90

Below the table is a "Download CSV" link. The footer of the interface shows the copyright information: © 2022 Oracle - Live SQL 22.3.1, running Oracle Database 19c Enterprise Edition - 19.14.0.0.0 - Database Documentation - Ask Tom - Dev Gym. The browser's taskbar at the bottom shows the date and time as 15:28 on 06.10.2022.

20. Select DEPARTMENT\_ID, MAX (Sal) from (select DEPARTMENT\_ID, SUM(SALARY) AS Sal from hr.employees group by DEPARTMENT\_ID) group by DEPARTMENT\_ID order by MAX (Sal) DESC OFFSET 0 ROWS FETCH NEXT 1 ROWS ONLY

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 select DEPARTMENT_ID, MAX (Sal) from (select DEPARTMENT_ID, SUM(SALARY) AS Sal from hr.employees group by DEPARTMENT_ID) group by Department_id order by MAX (Sal) DESC
2 OFFSET 0 ROWS FETCH NEXT 1 ROWS ONLY
3
```

The results are displayed in a table with the following columns: DEPARTMENT\_ID, MAX(SAL). The results table shows one row:

DEPARTMENT_ID	MAX(SAL)
80	384500

Below the table is a "Download CSV" link. The footer of the interface shows the copyright information: © 2022 Oracle - Live SQL 22.3.1, running Oracle Database 19c Enterprise Edition - 19.14.0.0.0 - Database Documentation - Ask Tom - Dev Gym. The browser's taskbar at the bottom shows the date and time as 23:35 on 06.10.2022.