

Lab work report 3 - SELECT

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1. All info of all employees

```
select * from employees;
```

499984	1959-08-31	Kaijung	Rodham
M	1985-09-11		
499985	1964-12-26	Gila	Lukaszewicz
M	1997-02-11		
499986	1952-07-22	Nathan	Ranta
F	1985-08-11		
499987	1961-09-05	Rimli	Dusink
F	1998-09-20		
499988	1962-09-28	Bangqing	Kleiser
F	1986-06-06		
499989	1954-05-26	Keiichiro	Lindqvist
M	1993-10-28		
499990	1963-11-03	Khaled	Kohling
M	1985-10-10		
499991	1962-02-26	Pohua	Sichman
F	1989-01-12		
499992	1960-10-12	Siamak	Salverda
F	1987-05-10		
499993	1963-06-04	DeForest	Mullainathan
M	1997-04-07		
499994	1952-02-26	Navin	Argence
F	1990-04-24		
499995	1958-09-24	Dekang	Lichtner
F	1993-01-12		
499996	1953-03-07	Zito	Baaz
M	1990-09-27		
499997	1961-08-03	Berhard	Lenart
M	1986-04-21		
499998	1956-09-05	Patricia	Breugel
M	1993-10-13		
499999	1958-05-01	Sachin	Tsukuda
M	1997-11-30		

300024 rows in set (0.21 sec)

2. All info of all departments

```
select * from departments;
```

dept_no	dept_name
d009	Customer Service
d005	Development
d002	Finance
d003	Human Resources
d001	Marketing
d004	Production
d006	Quality Management
d008	Research
d007	Sales

9 rows in set (0.00 sec)

3. Full names of all employees

```
select CONCAT(first_name , "_" ,last_name) as full_name  
from employees
```

Gino Usery
Yunming Mitina
Mohammed Pleszkun
Uri Juneja
Kaijung Rodham
Gila Lukaszewicz
Nathan Ranta
Rimli Dusink
Bangqing Kleiser
Keiichiro Lindqvist
Khaled Kohling
Pohua Sichman
Siamak Salverda

DeForest Mullainathan
Navin Argence
Dekang Lichtner
Zito Baaz
Berhard Lenart
Patricia Breugel
Sachin Tsukuda

300024 rows in set (0.12 sec)

4. Names of all departments

```
select dept_name from departments;
```

dept_name
Customer Service
Development
Finance
Human Resources
Marketing
Production
Quality Management
Research
Sales

9 rows in set (0.00 sec)

5. Full names of employees working in "Sales" department

```
select CONCAT(first_name,"_",last_name) as full_name
from employees where emp_no
in
(select emp_no from dept_emp where dept_no
in (select dept_no from departments
where dept_name = "Sales"))
```

Paris Deyuan	
Lihong Pusterhofer	
Akeel Baez	
Changho Noriega	
Rosalie Slobodova	
Doohun Schnelling	
Susanne Matteis	
Marco Cairo	
Morris Smeets	
Fumiko Luke	
Chenyi Hainaut	
Jagoda Lanphier	
Maja Lamba	
Raimond Leuchs	
Mong Usdin	
Make Terekhov	
Alope Wuwongse	
Masako Angiulli	
Christ Murtagh	
Youpyo Perfilyeva	
Leszek Pulkowski	
Gaetan Veldwijk	
Mihalis Crabtree	
Bangqing Bodoff	
Guozhong Felder	
Gino Usery	
Nathan Ranta	
Rimli Dusink	
Bangqing Kleiser	

52245 rows in set (0.27 sec)

6. Full names of male employees working in "Finance" department

```
select CONCAT(first_name, " ", last_name) as full_name
```

```

from employees where
emp_no in
(select emp_no from dept_emp where dept_no
in (select dept_no from departments
where dept_name = "Finance"))
and gender = "M";

```

	Peer Gist	
	Sachio Cannane	
	Huican Gelosh	
	Masamitsu Matheson	
	Doohun Pelz	
	Parto Kambil	
	Haldun Mullainathan	
	Ynte Potthoff	
	Nagui Stamatiou	
	Bernd Gluchowski	
	Phillip Panienski	
	Sastry Szmurlo	
	Jacopo Hasham	
	Moon Pleszkun	
	Hercules Porotnikoff	
	Shaz Bierbaum	
	Masali Chorvat	
	Keiichiro Lindqvist	
	Patricia Breugel	
+-----+		
10331 rows in set (0.07 sec)		

7. Salaries of female employees working in "Marketing" department

```

select salary from salaries
where emp_no in
(select emp_no from employees
where gender = "F" and
emp_no in

```

```
(select emp_no from dept_emp where dept_no
in (select dept_no from departments
where dept_name = "Marketing")));
```

	73008	
	75462	
	76837	
	43005	
	47320	
	50713	
	52539	
	56516	
	59357	
	63601	
	64778	
	65475	
	69488	
	72212	
	71874	
	73574	
	76708	
	79327	
	80389	

```
+-----+
74996 rows in set (0.26 sec)
```

8. Full names of employees who have the same last name as their manager

```
select concat(first_name,"_",last_name) as full_name
from employees
where last_name in
(select last_name from employees
where emp_no in
(select emp_no from dept_manager));
```

	Geoffry Alpin	
	Chinho Hagimont	

Zorica Ghazalie
Adas Hofmeyr
Heping Alpin
Shigeaki DasSarma
Yinghua Markovitch
Mingzeng Quadeer
Sanjay Sigstam
Abdelkader Ghazalie
Gudjon Hagimont
Padma Hofmeyr
Suvo Minakawa
Xiaoshan Sigstam
Mong Staelin
Parto Kambil
Martine Markovitch
Zine Ghazalie
Vasilis Kaelbling
Xiadong Hofmeyr
Hidde Alpin
Heekeun Weedman

4403 rows in set (0.57 sec)

9. Full names of managers who have been doing the job twice

```
select count(1)/2 as managers_number from
dept_manager x join dept_manager y on
x.emp_no = y.emp_no
and x.dept_no <> y.dept_no;
```

managers_number
1.0000

1 row in set (0.00 sec)

10. Full names of employees who was paid more than \$100000


```

select concat(first_name,"_",last_name) as full_name
from employees
where emp_no in
(select emp_no from salaries
where salary > 100000)

```

	Aamod Bernatsky	
	Maya Melter	
	Uriel Daescu	
	Zengping Peir	
	Akhilish Zobel	
	Feipei Setlizer	
	Saniya Hettesheimer	
	Foong Godsken	
	Lihong Pusterhofer	
	Akeel Baez	
	Armond Fraisse	
	Christoph Schneeberger	
	Mong Usdin	
	Aloke Wuwongse	
	Masako Angiulli	
	Christ Murtagh	
	Youpyo Perfilyeva	
	Leszek Pulkowski	
	Danai Hedayat	
	Guozhong Felder	
	Gino Usery	
	Nathan Ranta	
	Bangqing Kleiser	
+-----+		
19018 rows in set (1.27 sec)		

11. Names of all departments that have employees paid morethan \$1000000

```

select dept_name
from departments

```

```

where dept_no in
(select dept_no
from dept_emp
where emp_no in
(select emp_no
from salaries
where salary > 100000 ));

```

dept_name
Customer Service
Development
Finance
Human Resources
Marketing
Production
Quality Management
Research
Sales

9 rows in set (0.00 sec)