Lab work report 3 - SELECT

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November 6, 2016

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 **join** dept_emp
    on employees.emp_no = dept_emp.emp_no
    join departments
    on departments.dept_no = dept_emp.dept_no
    where dept_name = "Sales"

```
|  Maja  Lamba                    |
|  Raimond  Leuchs                |
|  Mong  Usdin                    |
|  Make  Terekhov                 |
|  Aloke  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** (0.20 sec)
```

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

```
select CONCAT(first_name,"␣",last_name) as full_name
from employees join dept_emp
on employees.emp_no = dept_emp.emp_no
join departments
on departments.dept_no = dept_emp.dept_no
where dept_name = "Finance" and gender = "M";
```

```
|  Huican  Gelosh                 |
|  Masamitsu  Matheson            |
|  Doohun  Pelz                   |
|  Parto  Kambil                  |
|  Haldun  Mullainathan           |
|  Ymte  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
join employees
on employees.emp_no = salaries.emp_no
join dept_emp
on employees.emp_no = dept_emp.emp_no
join departments
on departments.dept_no = dept_emp.dept_no
where dept_name = "Marketing" and gender = "F";
```

```
|   43005 |
|   47320 |
|   50713 |
|   52539 |
|   56516 |
|   59357 |
|   63601 |
|   64778 |
|   65475 |
|   69488 |
|   72212 |
|   71874 |
```

```
|   73574 |
|   76708 |
|   79327 |
|   80389 |
+———————+
```
74996 **rows in set** (0.28 sec)

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

```
select concat(e1.first_name,"␣",e1.last_name) as full_name
from employees e1
join employees e2
on e1.last_name = e2.last_name
join dept_emp
on e1.emp_no = dept_emp.emp_no
join dept_manager
on dept_manager.emp_no = e2.emp_no
where dept_manager.dept_no = dept_emp.dept_no
```

```
| Parke  Spinelli         |
| Kellie  Spinelli        |
| Zhigen  Spinelli        |
| Hilari  Spinelli        |
| Stabislas  Weedman      |
| Shimshon  Weedman       |
| Yagil  Weedman          |
| Valter  Weedman         |
| Apostol  Weedman        |
| Yuchang  Weedman        |
| Maya  Weedman           |
| Mamdouh  Weedman        |
| Feipei  Weedman         |
| Valdiodio  Weedman      |
| Saeed  Weedman          |
| Wanqing  Weedman        |
| Shen  Weedman           |
| Dinkar  Weedman         |
```

```
|  Jaques  Weedman          |
|  Marc  Weedman            |
+───────────────────────────+
```
624 **rows in set** (4.18 sec)

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

   select count(distinct x.emp_no) **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;

   Empty **set** (0.00 sec)

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

    select distinct employees.emp_no,
    concat(first_name,"␣",last_name)
    as full_name
    from employees
    join salaries **on**
    employees.emp_no = salaries.emp_no
    where salary > 100000

```
|  499766  |  Akhilish  Zobel          |
|  499793  |  Feipei  Setlzner          |
|  499794  |  Saniya  Hettesheimer      |
|  499807  |  Foong  Godskesen          |
|  499817  |  Lihong  Pusterhofer       |
|  499820  |  Akeel  Baez               |
|  499862  |  Armond  Fraisse           |
|  499881  |  Christoph  Schneeberger   |
|  499899  |  Mong  Usdin               |
|  499902  |  Aloke  Wuwongse           |
|  499919  |  Masako  Angiulli          |
|  499920  |  Christ  Murtagh           |
|  499926  |  Youpyo  Perfilyeva        |
```

```
|  499953  |  Leszek  Pulkowski                    |
|  499970  |  Danai  Hedayat                       |
|  499976  |  Guozhong  Felder                     |
|  499980  |  Gino  Usery                          |
|  499986  |  Nathan  Ranta                        |
|  499988  |  Bangqing  Kleiser                    |
+————+———————————————————+
19018 rows in set (1.38 sec)
```

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

```
select distinct dept_name
from   departments
join dept_emp
on dept_emp.dept_no = departments.dept_no
join salaries
on salaries.emp_no = dept_emp.emp_no
where salary > 100000


+————————————————+
|  dept_name               |
+————————————————+
|  Customer  Service       |
|  Development             |
|  Finance                 |
|  Human  Resources        |
|  Marketing               |
|  Production              |
|  Quality  Management     |
|  Research                |
|  Sales                   |
+————————————————+
9 rows in set (0.00 sec)
```