

Activity 1 -Subquery Part01

Ex. n.1

```
SELECT
    employee_id,
    first_name,
    last_name,
    salary
FROM
    employees
WHERE salary =
(SELECT
    MIN(salary)
FROM
    employees);
```

RESULT:

employee_id	first_name	last_name	salary
119	Karen	Colmenares	2500.00

Ex n.2

```
SELECT
    employee_id,
    first_name,
    last_name,
    salary
FROM
    employees
WHERE salary >
(SELECT
    AVG(salary)
FROM
    employees)
ORDER BY
    first_name,
    last_name;
```

employee_id	first_name	last_name	salary
121	Adam	Fripp	8200.00
103	Alexander	Hunold	9000.00
109	Daniel	Faviet	9000.00
114	Den	Raphaely	11000.00
204	Hermann	Baer	10000.00
177	Jack	Livingston	8400.00
110	John	Chen	8200.00
145	John	Russell	14000.00
176	Jonathon	Taylor	8600.00
146	Karen	Partners	13500.00
102	Lex	De Haan	17000.00
201	Michael	Hartstein	13000.00
108	Nancy	Greenberg	12000.00
101	Neena	Kochhar	17000.00
205	Shelley	Higgins	12000.00
100	Steven	King	24000.00
206	William	Gietz	8300.00

Ex. n. 3

```

SELECT
    employee_id,
    first_name,
    last_name,
    salary,
    department_id
FROM
    employees
WHERE
    EXISTS( SELECT
        *
    FROM
        employees
    HAVING
        department_id = 6
        AND
        salary < AVG(salary) )
ORDER BY
    first_name,
    last_name;

```

RESULT:

employee_id	first_name	last_name	salary	department_id
104	Bruce	Ernst	6000.00	6
105	David	Austin	4800.00	6
107	Diana	Lorentz	4200.00	6
106	Valli	Pataballa	4800.00	6

Ex. n. 4

```

SELECT
    employee_id,
    d.department_name,
    first_name,
    last_name
FROM
    employees e
INNER JOIN departments d ON d.department_id = e.department_id
WHERE EXISTS ( SELECT
    *
FROM
    departments
HAVING
    department_name = 'IT');
```

RESULT:

employee_id	department_name	first_name	last_name
103	IT	Alexander	Hunold
104	IT	Bruce	Ernst
105	IT	David	Austin
106	IT	Valli	Pataballa
107	IT	Diana	Lorentz

Ex. n. 5

```

SELECT
    e.employee_id,
    e.first_name,
    e.last_name
FROM
    employees e
INNER JOIN
    dependents d ON d.employee_id = e.employee_id
WHERE e.employee_id = (SELECT
    employee_id
```

```
FROM
    dependents
WHERE
    first_name = 'Jennifer'
AND
    last_name = 'King');
```

RESULT:

employee_id	first_name	last_name
100	Steven	King