Lab 6

Exercise 1

```
SELECT name, base_salary + ifnull(extra_salary,0) as salary, emp
```

Exercise 2

```
SELECT name FROM EMPLOYEES WHERE name LIKE "%SKI";
```

Exercise 3

```
SELECT e.name, t.name FROM EMPLOYEES AS e JOIN TEAMS as t ON e.t
```

Exercise 4

```
SELECT e.name, b.name as boss, bb.name as "boss's boss" FROM EMP
```

Exercise 5

```
SELECT t.name as "Team Name", AVG(e.BASE_SALARY) as Average, MAX
```

Exercise 6

```
SELECT t.name as Name, Count(DISTINCT E.JOB) AS "Number of Disti
```

Exercise 7

```
INSERT INTO EMPLOYEES (name, job, boss_id, employed_since, base_
("MAZUR", "DIRECTOR", 100, "2007-01-01", 1000, 250, 10),
("MALINA", "FULL PROFESSOR", 130, "2011-02-01", 690, 420, 20),
("BOCHNIAK", "INTERN", 110, "2022-01-09", 200, 100, 30);
```

```
DELETE FROM EMPLOYEES WHERE job = "TEACHING ASSISTANT" AND base_
```

Exercise 8

```
UPDATE EMPLOYEES as e SET base_salary = 2 * base_salary WHERE 35
```

Exercise 9

```
SELECT e.name FROM EMPLOYEES AS e WHERE e.base_salary > (SELECT
```

Exercise 10

```
import sqlite3

try:
    connection = sqlite3.connect("employees.db")
    cursor = connection.cursor()

    cursor.execute("BEGIN TRANSACTION;")

    cursor.execute("UPDATE employees SET base_salary = base_sala
    raise Exception("Simulated crash.")
```

```
except Exception as e:
    print(f"Exception occurred: {e}")
    connection.rollback()

finally:
    cursor.execute("SELECT * FROM employees WHERE job = 'DIRECTO
    rows = cursor.fetchall()

    for row in rows:
        print(row)
    connection.close()
```