

## S6

### Problem Statement:

Same schema as S5. Tasks: change city for InfoSys employees; find employees earning more than average salary of their company; TechM employees with >10000; rename Manages to Management; create simple & unique index; display index info.

### Code:

```
-- S6: Queries and DDL (MySQL)

-- 1. Change city of employee working with InfoSys to 'Bangalore'
UPDATE Employee SET city='Bangalore' WHERE employee_name IN (SELECT employee_name FROM Works WHERE company_name='InfoSys');

-- 2. Employees who earn more than the average salary of their company
SELECT w.employee_name, w.company_name, w.salary
FROM Works w
JOIN (
    SELECT company_name, AVG(salary) AS avg_sal FROM Works GROUP BY company_name
) av ON w.company_name = av.company_name
WHERE w.salary > av.avg_sal;

-- 3. Employees who work for 'TechM' and earn > 10000
SELECT e.employee_name, e.street, e.city
FROM Employee e JOIN Works w ON e.employee_name=w.employee_name
WHERE w.company_name='TechM' AND w.salary>10000;

-- 4. Rename table Manages to Management (MySQL)
RENAME TABLE Manages TO Management;

-- 5. Create simple and unique index on employee table
CREATE INDEX idx_employee_city ON Employee(city);
CREATE UNIQUE INDEX ux_employee_name ON Employee(employee_name);

-- 6. Display index information
SHOW INDEX FROM Employee;
```