CSE370: Database Systems

Assignment 01/02/03 | Summer 2025

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```
No 1 Query
                        CREATE DATABASE Company 23201003;
(as Plain Text)
                        use Company 23201003;
                        create table employee(
                               employee id char(10),
                               first name varchar(20),
                               last name varchar(20),
                               email varchar(60),
                               phone number char(14),
                               hire date date,
                               job id char(10),
                               salary int,
                               commission pct decimal(5,3),
                               manager id char(10),
                               department id char(10));
                        INSERT INTO employee values
                        ('EMP001','FN001','LN001','EMA001','PHN001','2000-01-01','JOB001',001,0.001,'MNG001','DPT001'),
                        ('EMP002','FN002','LN002','EMA002','PHN002','2000-01-02','JOB002',002,0.002,'MNG002','DPT002'),
                        ('EMP003','FN003','LN003','EMA003','PHN003','2000-01-03','JOB003',003,0.003,'MNG003','DPT003'),
                        ('EMP004','FN004','LN004','EMA004','PHN004','2000-01-04','JOB004',004,0.004,'MNG004','DPT004'),
                        ('EMP005','FN005','LN005','EMA005','PHN005','2000-01-05','JOB005',005,0.005,'MNG005','DPT005'),
                        ('EMP006','FN006','LN006','EMA006','PHN006','2000-01-06','JOB006',006,0.006,'MNG006','DPT006'),
                        ('EMP007','FN007','LN007','EMA007','PHN007','2000-01-07','JOB007',007,0.007,'MNG007','DPT007'),
                        ('EMP008','FN008','LN008','EMA008','PHN008','2000-01-08','JOB008',008,0.008,'MNG008','DPT008'),
                        ('EMP009','FN009','LN009','EMA009','PHN009','2000-01-09','JOB009',009,0.009,'MNG009','DPT009'),
                        ('EMP010','FN010','LN010','EMA010','PHN010','2000-01-10','JOB010',010,0.010,'MNG010','DPT010');
                        select first name, last name, email, phone number, hire date, department id from employee
                        where hire date=(select max(hire date)from employee);
```

No 1 SS (of Query & Output in Shell)

```
db<>fiddle MySQL
                                 ∨ 8.4 ∨ run markdown
                                                                                                  Records: 10 Duplicates: 0 Warnings: 0
    1 CREATE DATABASE Company 23201003;
    2 use Company_23201003;
    3 v create table employee
            employee_id char(10),
            first name varchar(20),
            last_name varchar(20),
            email varchar(60),
            phone_number char(14),
   10
            hire_date date,
   11
            job_id char(10),
   12
            salary int,
   13
            commission_pct decimal(5,3),
            manager_id char(10),
   14
   15
            department_id char(10)
   16 );
   17 v INSERT INTO employee values
   18 ('EMP001','FN001','LN001','EMA001','PHN001','2000-01-01','JOB001',001,0.001,'MNG001','DP
   19 ('EMP002','FN002','LN002','EMA002','PHN002','2000-01-02','JOB002',002,0.002,'MNG002','DP
   20 ('EMP003','FN003','LN003','EMA003','PHN003','2000-01-03','JOB003',003,0.003,'MNG003','DP
   21 ('EMP004', 'FN004', 'LN004', 'EMA004', 'PHN004', '2000-01-04', 'JOB004', 004, 0.004, 'MNG004', 'DP'
   22 ('EMP005','FN005','LN005','EMA005','PHN005','2000-01-05','JOB005',005,0.005,'MNG005','DP
   23 ('EMP006', 'FN006', 'LN006', 'EMA006', 'PHN006', '2000-01-06', 'JOB006',006, 0.006, 'MNG006', 'DP
   24 ('EMP007','FN007','LN007','EMA007','PHN007','2000-01-07','JOB007',007,0.007,'MNG007','DP
   25 ('EMP008', 'FN008', 'LN008', 'EMA008', 'PHN008', '2000-01-08', 'JOB008', 008, 0.008, 'MNG008', 'DP'
   26 ('EMP009','FN009','LN009','EMA009','PHN009','2000-01-09','JOB009',009,0.009,'MNG009','DP
   27 ('EMP010','FN010','LN010','EMA010','PHN010','2000-01-10','JOB010',010,0.010,'MNG010','DP
    1 v select first_name,last_name,email,phone_number,hire_date,department_id from employee
                                                                                                  first_name last_name email
                                                                                                                              phone_number hire_date department_id
    where hire date=(select max(hire date)from employee);
                                                                                                                      EMA010 PHN010
                                                                                                                                           2000-01-10 DPT010
                                                                                                            LN010
```

No 2 Query (as Plain Text)

select first_name,last_name,employee_id,phone_number,salary,department_id from employee e1 where salary=(select min(salary)from employee e2 where e2.department_id = e1.department_id);





