**Create Table**

CREATE TABLE employees(

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 values**

INSERT INTO employees VALUES

('EMP001', 'Md Sakib', 'Sadman', 'sakib@mail.com', '555-555-5555', '2021-01-21', 'JOB001', 90000, 15.63, 'MNG001', 'DPT001'),

('EMP002', 'Nahid', 'Hassan', 'nahid@gmail.com', '555-555-5556', '2013-10-29', 'JOB002', 10000, 10.52, 'MNG001', 'DPT003'),

('EMP003', 'Habib Un', 'Hemel', 'hemel@yahoo.com', '555-555-5557', '2022-10-03', 'JOB003', 50000, 8.02, 'MNG002', 'DPT001'),

('EMP004', 'Nida', 'Raisa', 'nida@gmail.com', '555-555-5558', '2017-05-14', 'JOB004', 28000, 12.67, 'MNG002', 'DPT005'),

('EMP005', 'Durjoy', 'Paul', 'durjoy@gmail.com', '555-555-5559', '2015-07-05', 'JOB005', 25000, 18.12, 'MNG001', 'DPT005'),

('EMP006', 'Jaber', 'Hossain', 'jaber@gmail.com', '555-555-5560', '2011-11-06', 'JOB006', 72000, 6.07, 'MNG003', 'DPT003'),

('EMP007', 'Ishrak', 'Hamim', 'ishrak@gmail.com', '555-555-5561', '2023-10-07', 'JOB007', 16000, 13.55, 'MNG003', 'DPT007'),

('EMP008', 'Siam', 'Ferdous', 'siam@yahoo.com', '555-555-5562', '2023-10-18', 'JOB008', 79000, 9.1, 'MNG002', 'DPT007'),

('EMP009', 'Uday', 'Khan', 'uday@yahoo.com', '555-555-5563', '2022-06-09', 'JOB009', 60000, 7, 'MNG002', 'DPT003'),

('EMP010', 'Sirajum', 'Munira', 'munira@yahoo.com', '555-555-5564', '2018-06-06', 'JOB010', 44000, 11.543, 'MNG001', 'DPT001'),

('EMP011', 'Zaynul', 'Abedin', 'abed@gmail.com', '555-555-5565', '2020-07-11', 'JOB011', 59500, 16.06, 'MNG003', 'DPT007'),

('EMP012', 'Syeda', 'Raisa', 'raisa@outlook.com', '555-555-5566', '2023-04-02', 'JOB012', 78300, 19.147, 'MNG002', 'DPT007');

**Task 1**

SELECT first\_name, last\_name, email, phone\_number, hire\_date, department\_id

FROM employees

WHERE hire\_date = (SELECT MAX(hire\_date) FROM employees);

**Task 2**

SELECT first\_name, last\_name, employee\_id, phone\_number, salary, department\_id

FROM employees e1

WHERE salary = (

SELECT MIN(salary)

FROM employees e2

WHERE e1.department\_id = e2.department\_id);

**Task 3**

SELECT first\_name, last\_name, employee\_id, *commission\_pct*, department\_id

FROM employees

WHERE department\_id = 'DPT007' AND *commission\_pct* <

ALL (SELECT commission\_pct FROM employees WHERE department\_id = 'DPT005' );

**Task 4**

SELECT department\_id, count(\*) FROM employees WHERE salary <= 30000 GROUP BY department\_id;

**Task 5**

SELECT department\_id, job\_id, commission\_pct

FROM employees e1

WHERE commission\_pct < ANY (

SELECT commission\_pct

FROM employees e2

WHERE e1.department\_id = e2.department\_id

AND e1.job\_id <> e2.job\_id );

**Task 6**

SELECT DISTINCT manager\_id

FROM employees

GROUP BY manager\_id

HAVING MIN(salary) >= 3500;

**Task 7**

SELECT first\_name, last\_name, employee\_id, email, salary, department\_id, commission\_pct

FROM employees

WHERE (manager\_id, commission\_pct) IN (

SELECT manager\_id, MIN(commission\_pct)

FROM employees

GROUP BY manager\_id);