

```
CREATE SCHEMA attendance_tracker
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```
CREATE TABLE attendance_tracker.role_t(  
  role_name VARCHAR(50) NOT NULL UNIQUE PRIMARY KEY,  
  description VARCHAR(150) NOT NULL);
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```
CREATE TABLE attendance_tracker.office_t(  
  office_name VARCHAR(50) NOT NULL UNIQUE PRIMARY KEY,  
  address VARCHAR(150) NOT NULL,  
  max_num_of_employees INT NOT NULL);
```

```
CREATE TABLE attendance_tracker.user_t(  
  username VARCHAR(50) NOT NULL UNIQUE PRIMARY KEY,  
  email VARCHAR(50) NOT NULL,  
  password VARCHAR(50) NOT NULL);
```

```
ALTER TABLE attendance_tracker.user_t  
ALTER COLUMN email DROP NOT NULL;
```

```
CREATE TABLE attendance_tracker.employee_t(  
  employee_id INT NOT NULL UNIQUE PRIMARY KEY,  
  username VARCHAR(50) NOT NULL UNIQUE,  
  first_name VARCHAR(50) NOT NULL,  
  last_name VARCHAR(50) NOT NULL,  
  birthday DATE NOT NULL,  
  office_name VARCHAR(50) NOT NULL,  
  employment_date DATE NOT NULL,  
  role_name VARCHAR(50) NOT NULL,  
  picture BYTEA NOT NULL,  
  FOREIGN KEY(username) references attendance_tracker.user_t(username),  
  FOREIGN KEY(role_name) references attendance_tracker.role_t(role_name),  
  FOREIGN KEY(office_name) references attendance_tracker.office_t(office_name));
```

```
ALTER TABLE attendance_tracker.employee_t  
ALTER COLUMN birthday DROP NOT NULL,  
ALTER COLUMN employment_date DROP NOT NULL,  
ALTER COLUMN picture DROP NOT NULL;
```

```
CREATE TABLE attendance_tracker.admin_t(  
  admin_id INT NOT NULL UNIQUE PRIMARY KEY);
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```
ALTER TABLE attendance_tracker.admin_t  
ADD username VARCHAR(50) NOT NULL UNIQUE,  
ADD FOREIGN KEY(username) references attendance_tracker.user_t(username);
```

```
CREATE TABLE attendance_tracker.attendance_t(  
  employee_id INT NOT NULL,  
  date_today DATE NOT NULL,  
  login_time TIME NOT NULL,  
  logout_time TIME NOT NULL,  
  remarks VARCHAR(50) NOT NULL,  
  FOREIGN KEY(employee_id) references attendance_tracker.employee_t(employee_id));
```

```
CREATE VIEW attendance_tracker.attendance_today AS  
SELECT first_name, last_name, login_time, logout_time  
FROM attendance_tracker.employee_t INNER JOIN attendance_tracker.attendance_t  
ON employee_t.employee_id = attendance_t.employee_id  
WHERE date_today = CURRENT_DATE
```

```
INSERT INTO attendance_tracker.user_t (username, email, password)
VALUES ('suppadmin', '', 'Youshallenter123')
```

```
INSERT INTO attendance_tracker.admin_t
VALUES (1, 'suppadmin')
```

```
INSERT INTO attendance_tracker.office_t (office_name, address, max_num_of_employees)
VALUES ('Office 1', 'Manila', '100'),
('Office 2', 'Cebu', '80'),
('Office 3', 'Singapore', '180');
```

```
INSERT INTO attendance_tracker.role_t (role_name, description)
VALUES ('Developer', 'Responsible for developing, coding, installing, and
maintaining software systems.'),
('Sales', 'Sells products or services for the company and represents the brand.'),
('Facilitator', 'Provides the business expertise with the knowledge and the
resources they need for the business to function.');
```

```
INSERT INTO attendance_tracker.user_t (username, password)
VALUES ('henrysy', 'password1'),
('stevejobs', 'password2'),
('billgates', 'password3');
```

```
INSERT INTO attendance_tracker.employee_t (employee_id, username, first_name,
last_name, office_name, role_name)
VALUES ('1', 'henrysy', 'Henry', 'Sy', 'Office 1', 'Facilitator'),
('2', 'stevejobs', 'Steve', 'Jobs', 'Office 2', 'Developer'),
('3', 'billgates', 'Bill', 'Gates', 'Office 3', 'Sales');
```

```
INSERT INTO attendance_tracker.attendance_t
(employee_id, date_today, login_time, logout_time, remarks)
VALUES ('1', '2023/05/01', '8:26 AM', '3:50 PM', 'Late'),
('2', '2023/05/01', '7:50 AM', '3:45 PM', ''),
('3', '2023/05/01', '8:50 AM', '3:30 PM', 'Late');
```