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Course: Database System and Object Oriented Programming.

Course Code: CSE-210 and CSE-201

Topics: Medioxide database Query Code.

### patients\_personal\_info

```
DROP DATABASE IF EXISTS medioxide;

CREATE DATABASE IF NOT EXISTS medioxide;
USE medioxide;

CREATE TABLE IF NOT EXISTS patients_personal_info (
    patients_id INT AUTO_INCREMENT,
    patients_name VARCHAR(255) NOT NULL,
    patients_surname VARCHAR(255) DEFAULT NULL,
    patients_age INT NOT NULL,
    patients_gender ENUM('Male', 'Female', 'Other') DEFAULT 'Other',
    patients_mobile VARCHAR(20) DEFAULT '+880xxxx-xxxxxx',
    patients_email VARCHAR(255) DEFAULT 'example@medioxide.com',
    patients_address TEXT,

    PRIMARY KEY(patients_ID)
);

ALTER TABLE patients_personal_info AUTO_INCREMENT = 3000;
```

### doctors\_personal\_info

```
CREATE TABLE IF NOT EXISTS doctors_personal_info (
    doctor_id INT AUTO_INCREMENT,
    doctor_name VARCHAR(255) NOT NULL,
    doctor_gender ENUM('Male', 'Female', 'Other') DEFAULT 'Male',
    doctor_phone VARCHAR(20) DEFAULT '+880xxxx-xxxxxx',
    doctor_email VARCHAR(255) DEFAULT 'example@medioxide.com',
    doctor_nid VARCHAR(20) UNIQUE NOT NULL,
    doctor_license_number VARCHAR(50) UNIQUE NOT NULL,
    doctor_current_hospital VARCHAR(255) DEFAULT NULL,

    PRIMARY KEY(doctor_id)
);
```

```
ALTER TABLE doctors_personal_info AUTO_INCREMENT = 4000;
```

## medicine

```
CREATE TABLE IF NOT EXISTS medicine (  
    medicine_id INT AUTO_INCREMENT,  
    medicine_name VARCHAR(255) NOT NULL,  
    medicine_types VARCHAR(50) DEFAULT 'Tablet',  
    medicine_generic VARCHAR(255),  
    medicine_brands VARCHAR(255),  
    medicine_description TEXT,  
  
    PRIMARY KEY(medicine_id)  
);  
  
ALTER TABLE medicine AUTO_INCREMENT = 6000;
```

## medical\_problems

```
USE medioxide;  
  
START TRANSACTION;  
  
USE medioxide;  
  
DROP TABLE IF EXISTS medical_problems;  
  
USE medioxide;  
CREATE TABLE IF NOT EXISTS medical_problems (  
    medical_problem_id INT AUTO_INCREMENT,  
    medical_problem_name VARCHAR(255),  
    medical_department VARCHAR(255),  
    medical_problem_description TEXT DEFAULT NULL,  
    medical_problem_symptoms TEXT DEFAULT NULL,  
    medical_problem_treatment TEXT DEFAULT NULL,  
  
    PRIMARY KEY(medical_problem_id),
```

```
        FOREIGN KEY (medical_department) REFERENCES
medical_department(departmental_name)
        ON DELETE CASCADE
        ON UPDATE CASCADE
    );

COMMIT;

ALTER TABLE medical_problems AUTO_INCREMENT = 7000;
```

### medical\_tests

```
CREATE TABLE medical_tests (
    medical_test_id INT AUTO_INCREMENT,
    medical_test_name VARCHAR(255),
    medical_test_description TEXT,
    medical_test_normal_range VARCHAR(50),

    PRIMARY KEY(medical_test_id)
);
ALTER TABLE medical_tests AUTO_INCREMENT = 5000;
```

### medical\_department

```
CREATE TABLE IF NOT EXISTS medical_department (
    departmental_id INT NOT NULL UNIQUE,
    departmental_name VARCHAR(255) NOT NULL,
    department_description TEXT,
    department_head VARCHAR(255) DEFAULT 'Prof. Dr. Nazmul Hossain',
    department_location VARCHAR(255),
    department_type ENUM('Clinical', 'Non-Clinical') DEFAULT 'Clinical',

    PRIMARY KEY(departmental_name)
);
ALTER TABLE medical_department AUTO_INCREMENT = 8000;
```

### doctor\_professional\_info

```
USE medioxide;

START TRANSACTION;

CREATE TABLE IF NOT EXISTS doctor_professional_info (
    doctor_id INT NOT NULL,
    doctor_department VARCHAR(255) DEFAULT 'Neurology',
    doctor_specialty VARCHAR(255),
    doctor_room_number INT,
    doctor_degree VARCHAR(255) DEFAULT 'MBBS.',

    FOREIGN KEY (doctor_id) REFERENCES doctor_personal_info(doctor_id)
    ON DELETE CASCADE
    ON UPDATE CASCADE,

    FOREIGN KEY (doctor_department) REFERENCES
medical_department(departmental_name)
    ON DELETE CASCADE
    ON UPDATE CASCADE
);

ROLLBACK;
```

### patients\_medical\_info

```
USE medioxide;

START TRANSACTION;

USE medioxide;

DROP TABLE IF EXISTS patients_medical_info;

CREATE TABLE IF NOT EXISTS patients_medical_info (
    patients_id INT,
    patients_visiting_department VARCHAR(255),
    patients_diseases VARCHAR(255),
    patients_weight DECIMAL(5, 2),
    patients_systolic_bp INT,
    patients_diastolic_bp INT,
    patients_body_temp DECIMAL(4, 2),
    patients_previous_problem VARCHAR(255),
```

```
patients_family_problem TEXT,  
  
    FOREIGN KEY (patients_id) REFERENCES  
patients_personal_info(patients_id)  
    ON DELETE CASCADE  
    ON UPDATE CASCADE,  
  
    FOREIGN KEY (patients_visiting_department) REFERENCES  
medical_department(departmental_name)  
    ON DELETE CASCADE  
    ON UPDATE CASCADE  
);  
  
COMMIT;
```

END//