CREATE TABLE `unf` (

`PatientID` VARCHAR(15) NOT NULL,

`PatientName` VARCHAR(100) NOT NULL,

`PatientDOB` DATE NOT NULL,

`PatientGender` ENUM('Male', 'Female') NOT NULL,

`PatientAddress` VARCHAR(255) NULL,

`PatientPhone` VARCHAR(15) NOT NULL,

`PatientMail` VARCHAR(150) NULL,

`PatientHeight` VARCHAR(10) NULL,

`PatientWeight` INT NULL,

`BloodType` ENUM('O+', 'O-', 'A+', 'A-', 'B+', 'B-', 'AB+', 'AB-') NULL,

`Chronic` VARCHAR(100) NULL,

`DoctorID` INT NOT NULL,

`DoctorName` VARCHAR(100) NOT NULL,

`DoctorGender` ENUM('Male', 'Female') NOT NULL,

`DoctorSpecialization` VARCHAR(50) NOT NULL,

`DoctorMail` VARCHAR(150) NULL,

`Salary` INT NOT NULL,

`TestID` INT NOT NULL,

`TestName` VARCHAR(50) NOT NULL,

`TypeOfTest` VARCHAR(50) NOT NULL,

`NormalRange` VARCHAR(50) NULL,

`ResultID` INT NOT NULL,

`TestResult` VARCHAR(75) NULL,

`TestDate` DATE NOT NULL,

`Need\_Psychological\_Help` ENUM('True', 'False') NULL,

`AppointmentID` VARCHAR(10) NOT NULL,

`AppointmentDate` DATE NOT NULL,

`StartTime` TIME NOT NULL,

`EndTime` TIME NULL,

`Attendance` ENUM('True', 'False', 'Cancel') NOT NULL)

/////////////////////////////////7add nurse table///////////////////////////////////777

ALTER TABLE `unf` ADD `FollowUp` ENUM('True', 'False') NOT NULL AFTER `Attendance`;

ALTER TABLE `unf` ADD `NurseID` VARCHAR(10) NOT NULL AFTER `FollowUp`, ADD `NurseName` VARCHAR(150) NOT NULL AFTER `NurseID`, ADD `NurseGender` ENUM('Male', 'Female') NOT NULL AFTER `NurseName`, ADD `NurseMail` VARCHAR(150) NULL AFTER `NurseGender`, ADD `NurseSalary` INT NOT NULL AFTER `NurseMail`;

INSERT INTO `unf`(`PatientID`, `PatientName`, `PatientDOB`, `PatientGender`, `PatientAddress`, `PatientPhone`, `PatientMail`, `PatientHeight`, `PatientWeight`, `BloodType`, `Chronic`, `DoctorID`, `DoctorName`, `DoctorGender`, `DoctorSpecialization`, `DoctorMail`, `Salary`, `TestID`, `TestName`, `TypeOfTest`, `NormalRange`, `ResultID`, `TestResult`, `TestDate`, `Need\_Psychological\_Help`, `AppointmentID`, `AppointmentDate`, `StartTime`, `EndTime`, `Attendance`, `FollowUp`, `NurseID`, `NurseName`, `NurseGender`, `NurseMail`, `NurseSalary`)

VALUES

('12345678912', 'Umay Aslan', '2002-08-21', 'Female', 'Antalya/Serik', '5234569878', 'umay07@gmail.com', '165cm', 58, 'AB-', 'Penicillin,Amoxicillin', 101, 'Berk Yağız', 'male', 'Cardiology', 'doctor.berk@gmail.com', 100000, 500, 'Total Cholesterol', 'Blood Test', '<170 mg/dl', 1001, '210mg/dl', '2024-04-07', 'True', 'A1', '2024-04-07', '09:30:00', '10:00:05', 'True', 'false', 111, 'Ali Erbil', 'Male', 'ali\_erbil@gmail.com', 35000),

('96305487631', 'Şevin Boran', '2001-06-15', 'Female', 'Antalya/Konyaaltı', '5455155515', 'boransevin@gmail.com', '170 cm', 65, 'A+', 'Erythromycin', 102, 'Hilal Karlı', 'female', 'Urology', 'hilal.karlı.65@gmail.com', 200000, 502, 'Urinary Analysis', 'Urine Test', '1003-1030 g/ml', 1002, '1010 g/ml', '2024-04-12', 'False', 'A2', '2024-04-13', '21:09:50', '10:30:15', 'True', 'True', 222, 'Maria Evans', 'Female', 'maria1@gmail.com', 40000),

('13579246800', 'Aliye Kaya', '1990-09-03', 'Female', 'İzmir/Karşıyaka', '5412345678', 'aliye.kaya@email.com', '165 cm', 60, 'AB-', 'Pollen', 101, 'Berk Yağız', 'male', 'Cardiology', 'doctor.berk@gmail.com', 100000, 500, 'Total Cholesterol', 'Blood Test', '<170 mg/dl', 1003, '160mg/dl', '2024-04-07', 'False', 'A3', '2023-07-12', '10:30:15', '11:30:00', 'true', 'false', 111, 'Ali Erbil', 'Male', 'ali\_erbil@gmail.com', 35000),

('13579246800', 'Aliye Kaya', '1990-09-03', 'Female', 'İzmir/Karşıyaka', '5412345678', 'aliye.kaya@email.com', '165 cm', 60, 'AB-', 'Pollen', 101, 'Berk Yağız', 'male', 'Cardiology', 'doctor.berk@gmail.com', 100000, 501, 'Blood Glucose', 'Blood Test', '70-100 mg/dL', 1015, '90mg/dl', '2024-04-07', 'False', 'A3', '2023-07-12', '10:30:15', '11:30:00', 'true', 'false', 111, 'Ali Erbil', 'Male', 'ali\_erbil@gmail.com', 35000),

('24680135791', 'Deniz Yılmaz', '1998-05-10', 'Male', 'Antalya/Muratpaşa', '5333333333', 'deniz.yilmaz@email.com', '170 cm', 65, 'O-', 'HIV', 103, 'Elif Şahin', 'female', 'Gynecologist', 'elif.sahin@email.com', 75000, 505, 'HIV', 'Blood Test', '500 - 1,200 cells/mm3', 1004, '1,500cells/mm3', '2024-03-10', 'true', 'A4', '2024-03-25', '11:30:00', '12:00:00', 'true', 'false', 444, 'Şehed Fatih', 'Female', 'sehedefatih@gmail.com', 30000),

('98765432109', 'Can Aksoy', '1980-10-10', 'Male', 'İstanbul/Kadıköy', '5329876543', 'can.aksoy@email.com', '180 cm', 85, null, 'Pollen', 104, 'Ali Demir', 'male', 'Cardiology', 'ali.demir@email.com', 150000, 505, 'HIV', 'Blood Test', '500 - 1,200 cells/mm3', 1564, '1,500cells/mm3', '2024-03-10', true, 'A5', '2023-05-23', '15:30:00', '15:35:13', 'true','false', 555, 'Eda Kanat', 'Female', 'eda\_kanat@gmail.com', 45000),

('20911356790', 'Mehmet Yıldırım', '2003-05-25', 'Male', 'Antalya/Konyaaltı', '5382129284', 'mehmet.yıl@gmail.com', '185cm', 85, 'O+', null, 105, 'Zeynep Kaya', 'female', 'Orthopedics', 'zeynep@example.com', 62000, 504, 'Chest X-ray', 'Graphical', null, 1005, 'abnormal', '2023-05-07', 'true', 'A6', '2023-05-23', '13:50:00', '15:30:20', 'true', 'false', 666, 'Hamdi Karaslan', 'Male', 'hamdi2@gmail.com', 35000),

('20911356790', 'Mehmet Yıldırım', '2003-05-25', 'Male', 'Antalya/Konyaaltı', '5382129284', 'mehmet.yıl@gmail.com', '185cm', 85, 'O+', null, 105, 'Zeynep Kaya', 'female', 'Orthopedics', 'zeynep@example.com', 62000, 503, 'MRI', 'Graphical', null, 1054, 'abnormal', '2023-05-07', 'true', 'A6', '2023-05-23', '13:50:00', '15:30:20', 'true', 'false', 666, 'Hamdi Karaslan', 'Male', 'hamdi2@gmail.com', 35000),

('30178948704', 'Fatma Demir', '1980-08-12', 'female', 'Antalya/Serik', '5379870604', 'demir.fatma07@gmail.com', '160 cm', 80, 'A+', 'Penicillin,Latex', 106, 'Mehmet Aydın', 'male', 'Cardiology', 'mehmet@example.com', 92000, 501, 'Blood Glucose', 'Blood Test', '70-100 mg/dL', 1006, '120mg/dl', '2024-04-12', 'true', 'A7', '2024-04-05', '09:00:00', '10:05:02', 'true', 'false', 777, 'Burak Türkoğlu', 'Male', 'burak07@gmail.com', 40000),

('30178948704', 'Fatma Demir', '1980-08-12', 'female', 'Antalya/Serik', '5379870604', 'demir.fatma07@gmail.com', '160 cm', 80, 'A+', 'Penicillin,Latex', 106, 'Mehmet Aydın', 'male', 'Cardiology', 'mehmet@example.com', 92000, 503, 'MRI', 'Graphical', null, 1023, 'normal', '2024-04-05', 'true', 'A7', '2024-04-05', '09:00:00', '10:05:02', 'true', 'false', 777, 'Burak Türkoğlu', 'Male', 'burak07@gmail.com', 40000);

[ALTER](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) [TABLE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) `unf`  ADD PRIMARY KEY(`PatientID`, `DoctorID`, `TestID`, `AppointmentID`, `NurseID`);

//////////////////////////////////////////

CREATE TABLE PatientInfo (

PatientID VARCHAR(15) NOT NULL,

PatientName VARCHAR(100) NOT NULL,

PatientDOB DATE NOT NULL,

PatientGender ENUM('Male', 'Female') NOT NULL,

PatientAddress VARCHAR(255) NULL,

PatientPhone VARCHAR(15) NOT NULL,

PatientMail VARCHAR(150) NULL,

PatientHeight VARCHAR(10) NULL,

PatientWeight INT NULL,

BloodType ENUM('O+', 'O-', 'A+', 'A-', 'B+', 'B-', 'AB+', 'AB-') NULL,

chronic VARCHAR(100)

);

INSERT INTO PatientInfo

SELECT DISTINCT PatientID, PatientName, PatientDOB, PatientGender, PatientAddress, PatientPhone, PatientMail, PatientHeight, PatientWeight, BloodType,Chronic

FROM unf;

[ALTER](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) [TABLE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) `PatientInfo` ADD PRIMARY KEY(`PatientID`);

/////////////////////////////////

CREATE TABLE DoctorInfo(

DoctorID INT NOT NULL,

DoctorName VARCHAR(100) NOT NULL,

DoctorGender ENUM('Male', 'Female') NOT NULL,

DoctorSpecialization VARCHAR(50) NOT NULL,

DoctorMail VARCHAR(150) NULL,

Salary INT NOT NULL

);

INSERT INTO DoctorInfo

SELECT DISTINCT DoctorID, DoctorName, DoctorGender, DoctorSpecialization, DoctorMail, Salary

FROM unf;

[ALTER](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) [TABLE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) `DoctorInfo` ADD PRIMARY KEY(`DoctorID`);

///////////////////////////////////////

[CREATE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/create-table.html) [TABLE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/create-table.html) TestInfo( TestID INT [NOT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html%23operator_not) NULL , TestName VARCHAR(50) [NOT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html%23operator_not) NULL, TypeOfTest VARCHAR(50) [NOT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html%23operator_not) NULL, NormalRange VARCHAR(50) NULL );

[INSERT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/insert.html) INTO TestInfo [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) DISTINCT TestID, TestName, TypeOfTest, NormalRange FROM unf;

[ALTER](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) [TABLE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) `testinfo` ADD PRIMARY KEY(`TestID`);

///////////////////////////////////////

CREATE TABLE Appointment (

AppointmentID VARCHAR(10),

AppointmentDate DATE NOT NULL,

StartTime TIME NOT NULL,

EndTime TIME NULL,

Attendance ENUM('True', 'False', 'Cancel') NOT NULL,

PatientID VARCHAR(15),

DoctorID INT

);

ALTER TABLE `Appointment` ADD `FollowUp` ENUM('True', 'False') NOT NULL AFTER `Attendance`;

INSERT INTO Appointment

SELECT DISTINCT AppointmentID, AppointmentDate, StartTime, EndTime, Attendance, FollowUp, PatientID, DoctorID

FROM unf;

[ALTER](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) [TABLE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) `appointment` ADD PRIMARY KEY(`AppointmentID`);

[ALTER](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) [TABLE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) `appointment` ADD FOREIGN KEY (`DoctorID`) REFERENCES `doctorinfo`(`DoctorID`) ON [DELETE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/delete.html) RESTRICT ON [UPDATE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/update.html) RESTRICT; [ALTER](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) [TABLE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) `appointment` ADD FOREIGN KEY (`PatientID`) REFERENCES `patientinfo`(`PatientID`) ON [DELETE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/delete.html) RESTRICT ON [UPDATE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/update.html) RESTRICT;

/////////////////////

CREATE TABLE ResultInfo(

ResultID INT NOT NULL,

PatientID VARCHAR(15) NOT NULL,

TestID INT NOT NULL,

TestResult VARCHAR(75) NULL,

TestDate DATE NOT NULL,

Need\_Psychological\_Help ENUM('True', 'False'));

INSERT INTO `resultinfo`

SELECT `ResultID`, `PatientID`, `TestID`, `TestResult`, `TestDate`, `Need\_Psychological\_Help`

from unf;

[ALTER](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) [TABLE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) `resultinfo` ADD PRIMARY KEY(`ResultID`);

[ALTER](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) [TABLE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) `resultinfo` ADD FOREIGN KEY (`PatientID`) REFERENCES `patientinfo`(`PatientID`) ON [DELETE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/delete.html) RESTRICT ON [UPDATE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/update.html) RESTRICT; [ALTER](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) [TABLE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) `resultinfo` ADD FOREIGN KEY (`TestID`) REFERENCES `testinfo`(`TestID`) ON [DELETE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/delete.html) RESTRICT ON [UPDATE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/update.html) RESTRICT;

/////////////////////////////////////////////////////

CREATE TABLE Nurse

( NurseID VARCHAR(10) NOT NULL , NurseName VARCHAR(150) NOT NULL, NurseGender ENUM('Male', 'Female') NOT NULL, NurseMail VARCHAR(150) NOT NULL, NurseSalary INT NOT NULL);

[INSERT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/insert.html) INTO nurse [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) DISTINCT NurseID, NurseName, NurseGender, NurseMail, NurseSalary FROM unf;

[ALTER](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) [TABLE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) `nurse` ADD PRIMARY KEY(`NurseID`);

//////////////////////////////////////////////////////

CREATE TABLE DoctorNurseAssignment (

DoctorID INT,

NurseID VARCHAR(10),

PRIMARY KEY (DoctorID, NurseID)

);

INSERT INTO `doctornurseassignment`

SELECT DISTINCT `DoctorID`, `NurseID`

from unf;

[ALTER](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) [TABLE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) `doctornurseassignment` ADD FOREIGN KEY (`DoctorID`) REFERENCES `doctorinfo`(`DoctorID`) ON [DELETE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/delete.html) RESTRICT ON [UPDATE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/update.html) RESTRICT; [ALTER](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) [TABLE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) `doctornurseassignment` ADD FOREIGN KEY (`NurseID`) REFERENCES `nurse`(`NurseID`) ON [DELETE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/delete.html) RESTRICT ON [UPDATE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/update.html) RESTRICT;

DROP TABLE `unf`

CREATE VIEW UNF\_View AS

SELECT

patientinfo.PatientID, patientinfo.PatientName, patientinfo.PatientDOB, patientinfo.PatientGender, patientinfo.PatientAddress, patientinfo.PatientPhone, patientinfo.PatientMail, patientinfo.PatientHeight, patientinfo.PatientWeight, patientinfo.BloodType,patientinfo.Chronic,

testinfo.TestID, testinfo.TestName, testinfo.TypeOfTest, testinfo.NormalRange,

resultinfo.ResultID, resultinfo.TestResult, resultinfo.TestDate,

doctorinfo.DoctorID, doctorinfo.DoctorName, doctorinfo.DoctorGender, doctorinfo.DoctorSpecialization, doctorinfo.DoctorMail, doctorinfo.Salary,

appointment.AppointmentID, appointment.AppointmentDate, appointment.StartTime, appointment.EndTime, appointment.Attendance, appointment.FollowUp,

nurse.NurseID, nurse.NurseName, nurse.NurseGender, nurse.NurseMail, nurse.NurseSalary

FROM patientinfo

JOIN resultinfo ON patientinfo.PatientID = resultinfo.PatientID

JOIN testinfo ON resultinfo.TestID = testinfo.TestID

JOIN appointment ON patientinfo.PatientID = appointment.PatientID

JOIN doctorinfo ON appointment.DoctorID = doctorinfo.DoctorID

LEFT JOIN DoctorNurseAssignment DNA ON doctorinfo.DoctorID = DNA.DoctorID

LEFT JOIN nurse ON DNA.NurseID = nurse.NurseID;

////////////////////////////5 SQL Query///////////////////////

1.

SELECT DISTINCT patientinfo.patientName , doctorinfo.doctorName

FROM patientinfo , appointment , doctorinfo

WHERE patientinfo.patientID = appointment.PatientID

And doctorinfo.doctorID = appointment.DoctorID

AND patientinfo.patientName = 'Sevin boran'

2.

SELECT patientinfo.PatientID,patientinfo.PatientName, COUNT(appointment.AppointmentID) AS NumAppointment

FROM patientinfo

LEFT JOIN appointment ON patientinfo.PatientID = appointment.PatientID

WHERE YEAR(appointment.AppointmentDate) = YEAR(CURRENT\_DATE) - 1

GROUP BY patientinfo.PatientID, patientinfo.PatientName;

3.

UPDATE appointment

SET AppointmentDate = '2026-07-12'

WHERE AppointmentID = 'a2';

4.

INSERT INTO `resultinfo`(`ResultID`, `PatientID`, `TestID`, `TestResult`, `TestDate`, `Need\_Psychological\_Help`) VALUES ('1124','13579246800','503',null,'2023-07-12',null)

5.

DELETE FROM appointment

WHERE AppointmentID = 'A2';