

2015

DIA BASE

Medical Diagnostic Centre Database

SHESHANT

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SAI SANDEEP

RELATIONS FOR THIS DATABASE

Test(Test_ID, Name, Charge, Category)

Doctor(Doctor_ID, Name, DOB, Gender, O_Address, R_Address, Phone)

Test_Doctor(ID, Test_ID, Doctor_ID)

Patient(Patient_ID, Name, DOB, Gender, Address, Phone)

Bill(Bill_ID, Amount, Bill_Time, Paid_Status, Payment_Method, Paid_Time)

Patient_Bill(ID, Patient_ID, Bill_ID,)

Test_Patient(ID, Test_ID, Patient_ID, Date_of_test, Report_ID, Report_date)

FUNCTIONAL DEPENDENCIES

Test_ID → (Name, Charge, Category)

Doctor_ID → (Name, DOB, Gender, O_Address, R_Address, Phone)

ID → (Test_ID, Doctor_ID)

Patient_ID → (Name, DOB, Gender, Address, Phone)

Bill_ID → (Amount, Bill_Time, Paid_Status, Payment_Method, Paid_Time)

ID → (Patient_ID, Bill_ID)

ID → (Test_ID, Patient_ID, Date_of_test, Report_ID, Report_date)

TABLE CONSTRAINTS

List of tables in our database with constraints

TABLE NAME	PRIMARY KEY	FOREIGN KEY	REFERENCES FOR FOREIGN KEY
TEST	Test_ID		
DOCTOR	Doctor_ID		
TEST_ DOCTOR	ID	Test_ID Doctor_ID	Test (Test_ID) Doctor (Doctor_ID)
PATIENT	Patient_ID		
BILL	Bill_ID		
PATIENT_ BILL	ID	Patient_ID Bill_ID	Patient(Patient_ID) Bill(Bill_ID)
TEST_ PATIENT	ID	Patient_ID Test_ID	Patient(Patient_ID) Test (Test_ID)

QUERIES

- i. Test and respective Doctors for a particular test
- ii. Tests and respective patients for a particular Doctor
- iii. Show the list of all patients whose dues are pending (for more than one month or two)
- iv. Show the list of those tests and doctors specified for those test whose reports are pending
- v. Show the list of all Doctors who can do a particular test and present report on that test
- vi. Show the list of Patients who got their reports and who didn't with their test and respective Doctors details
- vii. Show those tests which are going to be performed today or tomorrow
- viii. Show those tests which are not yet performed