CREATE DATABASE hospital;

CREATE TABLE patient (patient\_id int, name VARCHAR (50), date\_of\_birth DATE, gender VARCHAR (30), disease VARCHAR (50), checkup\_date date, PRIMARY KEY (patient\_id));

CREATE TABLE doctor(doctor\_id INT, name VARCHAR(50), qualification VARCHAR(50), PRIMARY KEY(doctor\_id));

CREATE TABLE examine (doctor\_id INT, patient\_id INT, PRIMARY KEY(doctor\_id, patient\_id), FOREIGN KEY(patient\_id) REFERENCES patient(patient\_id), FOREIGN KEY(doctor\_id) REFERENCES doctor(doctor\_id));

CREATE TABLE patient\_information (patient\_id INT, phone\_number INT, PRIMARY KEY (patient\_id, phone\_number), FOREIGN KEY (patient\_id) REFERENCES patient(patient\_id));

CREATE TABLE medical\_test (test\_id INT, test\_date DATE, test\_name VARCHAR(50), patient\_id INT, doctor\_id INT, PRIMARY KEY(test\_id), FOREIGN KEY(patient\_id) REFERENCES patient(patient\_id), FOREIGN KEY(doctor\_id) REFERENCES doctor(doctor\_id));

CREATE TABLE prescription (prescription\_id INT, medicine\_quantity INT, patient\_id INT, doctor\_id INT, PRIMARY KEY(prescription\_id), FOREIGN KEY(patient\_id) REFERENCES patient(patient\_id), FOREIGN KEY(doctor\_id) REFERENCES doctor(doctor\_id));

CREATE TABLE medicine (prescription\_id INT, medicine\_name VARCHAR(50), PRIMARY KEY(prescription\_id), FOREIGN KEY(prescription\_id) REFERENCES prescription(prescription\_id));

CREATE TABLE ward(room\_id INT, room\_type VARCHAR(30), status VARCHAR(30), PRIMARY KEY (room\_id));

CREATE TABLE nurse (nurse\_id INT, name VARCHAR(30), room\_id INT, PRIMARY KEY(nurse\_id), FOREIGN KEY(room\_id) REFERENCES ward(room\_id));

CREATE TABLE bill (bill\_id INT, room\_charge INT, test\_charge INT, doctor\_fee INT, patient\_id INT, PRIMARY KEY(bill\_id), FOREIGN KEY(patient\_id) REFERENCES patient(patient\_id));

CREATE TABLE inpatient (patient\_id INT, date\_discharge DATE, room\_id INT, PRIMARY KEY(patient\_id), FOREIGN KEY(patient\_id) REFERENCES patient(patient\_id), FOREIGN KEY(room\_id) REFERENCES ward(room\_id));

CREATE TABLE outpatient (patient\_id INT, next\_appointment\_date DATE, PRIMARY KEY(patient\_id), FOREIGN KEY(patient\_id) REFERENCES patient(patient\_id)) ON DELETE CASCADE

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