Doctor

doctor_id (PK)	name	contact_no.	email_id (UNIQUE)

Doctor_Specialization

(doctor_id,specialization) PK	
doctor_id (FK-->Doctor)	specialazation

Appointment

appointment_id (PK)	patient_id (FK --> Patient)	doctor_id (FK --> Doctor)	date_time	purpose	status	booking_date	booking_method

Diagnosis

diagnosis_id (PK)	appointment_id (FK --> Appointment)	date_time	description

Diagnosis_Symptom

(diagnosis_id,symptom) (PK)	
diagnosis_id (FK --> Diagnosis)	symptom

Bill

bill_id (PK)	patient_id (FK --> Patient)	billing_date	price

Bill_Medicine

(bill_id,medicine_id) (PK)	
bill_id (FK --> Bill)	medicine_id (FK --> Medicine)

Medicine

medicine_id (PK)	name	price	stock

Medicine_Ingredient

(medicine_id,ingredient) (PK)	
medicine_id (FK --> Medicine)	ingredient

Medicine_Batch

(medicine_id,batch_no) PK			
medicine_id (FK--> Medicine)	batch_no	expiary_date	quantity

Patient

patient_id (PK)	name	gender	dob	contact	insurance_no.	blood_type	adress

Prescribe

(appointment_id,medicine_id) (PK)				
appointment_id (Fk --> Appointment)	medicine_id (FK --> Medicine)	dosage	duration	instruction

Final Normalized Schema:

1. **Doctor**(doctor_id **PK**, name, contact_no, email_id)
2. **Doctor_Specialization**(doctor_id **FK**, specialization, **PK**(doctor_id, specialization))
3. **Patient**(patient_id **PK**, name, gender, dob, contact, insurance_no, blood_type, adress)
4. **Appointment**(appointment_id **PK**, patient_id **FK**→Patient, doctor_id **FK**→Doctor, date_time, purpose, status, booking_date, booking_method)
5. **Diagnosis**(diagnosis_id **PK**, appointment_id **FK**→Appointment, date_time, description)
6. **Diagnosis_Symptom**(diagnosis_id **FK**→Diagnosis, symptom, **PK**(diagnosis_id, symptom))
7. **Bill**(bill_id **PK**, patient_id **FK**→Patient, billing_date, price)
8. **Medicine**(medicine_id **PK**, medicine_name, price, stock)
9. **Medicine_Ingredient**(medicine_id **FK**→Medicine, ingredient, **PK**(medicine_id, ingredient))
10. **Medicine_Batch**(medicine_id **FK**--> Medicine, batch_no, expiry_date, quantity, **PK**(medicine_id, batch_no))
11. **Prescribe**(appointment_id **FK**→Appointment, medicine_id **FK**→Medicine, dosage, duration, instruction, **PK**(appointment_id, medicine_id))
12. **Bill_Medicines**(bill_id **FK**→Bill, medicine_id **FK**→Medicine, **PK**(bill_id, medicine_id))