

**hospital-hms\schema.sql**

```
1 -- Minimal Oracle schema for Hospital HMS (Autonomous DB compatible)
2 -- Run as a privileged user or as schema owner
3
4 CREATE TABLE patients (
5   id NUMBER GENERATED ALWAYS AS IDENTITY PRIMARY KEY,
6   name VARCHAR2(200) NOT NULL,
7   dob DATE,
8   phone VARCHAR2(32)
9 );
10
11 CREATE TABLE doctors (
12   id NUMBER GENERATED ALWAYS AS IDENTITY PRIMARY KEY,
13   name VARCHAR2(200) NOT NULL,
14   specialization VARCHAR2(128),
15   phone VARCHAR2(32)
16 );
17
18 CREATE TABLE appointments (
19   id NUMBER GENERATED ALWAYS AS IDENTITY PRIMARY KEY,
20   patient_id NUMBER NOT NULL,
21   doctor_id NUMBER NOT NULL,
22   scheduled_at TIMESTAMP NOT NULL,
23   reason VARCHAR2(1024),
24   status VARCHAR2(32) DEFAULT 'SCHEDULED',
25   CONSTRAINT fk_appt_patient FOREIGN KEY (patient_id) REFERENCES patients(id),
26   CONSTRAINT fk_appt_doctor FOREIGN KEY (doctor_id) REFERENCES doctors(id)
27 );
28
29 CREATE TABLE admin_users (
30   id NUMBER GENERATED ALWAYS AS IDENTITY PRIMARY KEY,
31   username VARCHAR2(64) UNIQUE NOT NULL,
32   password_hash VARCHAR2(256) NOT NULL,
33   role VARCHAR2(32) DEFAULT 'admin'
34 );
35
36 -- Small helper index
37 CREATE INDEX idx_appt_sched ON appointments(scheduled_at);
38
```