

**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
```