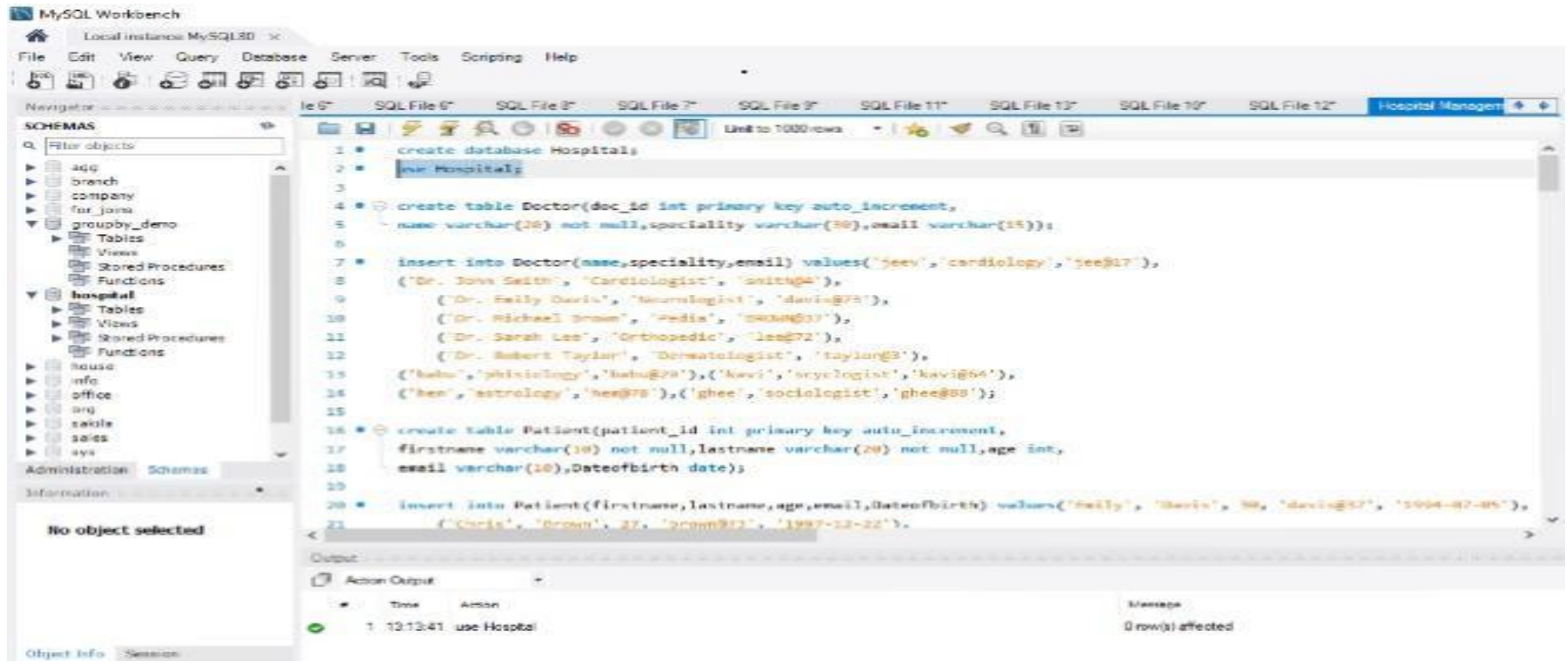


# HOSPITAL MANAGEMENT SYSTEM

## STEP 1 : CREATING DATABASE FOR OUR PROJECT



# STEP 2: CREATING THE TABLE “PATIENT”

The screenshot shows the MySQL Workbench interface. The left sidebar displays a tree of schemas, with 'hospital' selected. The main editor window contains the following SQL code:

```
26 ('dr.john','son',23,'john@33','1998-09-07'),
27 ('jack','line',24,'jack@383','1999-10-04'),('angel','line',28,'angel@74','2005-08-30'),
28 ('mack','sigh',25,'mack@78','2000-04-06'),('rose','line',27,'rose@373','2003-04-20');
29
30 DESC Patient;
31
32 create table Appointment(appointment_id int primary key auto_increment,
33 reason varchar(15),Appointment_date datetime not null,
34 doc_id int,foreign key (doc_id) references Doctor(doc_id),patient_id int,
```

Below the code editor, the 'Result Grid' shows the structure of the 'Patient' table:

Field	Type	Null	Key	Default	Extra
patient_id	int	NO	PRI	<a href="#">NULL</a>	auto_increment
firstname	varchar(10)	NO		<a href="#">NULL</a>	
lastname	varchar(20)	NO		<a href="#">NULL</a>	
age	int	YES		<a href="#">NULL</a>	
email	varchar(10)	YES		<a href="#">NULL</a>	
Dateofbirth	date	YES		<a href="#">NULL</a>	

The bottom panel shows the 'Action Output' table:

#	Time	Action	Message
1	13:13:41	use Hospital	0 row(s) affected
2	14:17:25	DESC Patient	6 row(s) returned

The status bar at the bottom indicates 'Query Completed'.

# STEP 3: CREATING THE TABLE “DOCTOR”

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'SCHEMAS' tree with the 'hospital' database selected. The main editor window shows the following SQL code:

```
4 • create table Doctor(doc_id int primary key auto_increment,  
5   name varchar(20) not null,speciality varchar(30),email varchar(15));  
6  
7 • DESC Doctor;  
8  
9 • insert into Doctor(name,speciality,email) values('jeev','cardiology','jee@17'),  
10   ('Dr. John Smith', 'Cardiologist', 'smith@4'),  
11   ('Dr. Emily Davis', 'Neurologist', 'davis@73'),  
12   ('Dr. Michael Brown', 'Pedia', 'BROWN@37');
```

Below the code editor, the 'Result Grid' shows the table structure for 'Doctor':

Field	Type	Null	Key	Default	Extra
doc_id	int	NO	PRI	HULL	auto_increment
name	varchar(20)	NO		HULL	
speciality	varchar(30)	YES		HULL	
email	varchar(15)	YES		HULL	
referral_id	int	YES		HULL	

The bottom panel shows the 'Output' window with the following log:

#	Time	Action	Message
2	14:17:25	DESC Patient	6 row(s) returned
3	14:19:09	DESC Doctor	5 row(s) returned

The status bar at the bottom indicates 'Query Completed'.

# STEP 4 : CREATING THE TABLE “APPOINTMENT”

The screenshot displays the MySQL Workbench interface. The left sidebar shows a tree of schemas, with 'hospital' selected. The main editor window shows the SQL script for creating the 'Appointment' table. The script is as follows:

```
33
34 • create table Appointment(appointment_id int primary key auto_increment,
35   reason varchar(15),Appointment_date datetime not null,
36   doc_id int,foreign key (doc_id) references Doctor(doc_id),patient_id int,
37   foreign key (patient_id) references Patient(patient_id));
38
39 • DESC Appointment;
40
41
```

Below the SQL editor, the 'Result Grid' shows the structure of the 'Appointment' table:

Field	Type	Null	Key	Default	Extra
appointment_id	int	NO	PRI	HULL	auto_increment
reason	varchar(15)	YES		HULL	
Appointment_date	datetime	NO		HULL	
doc_id	int	YES	MUL	HULL	
patient_id	int	YES	MUL	HULL	

At the bottom, the 'Output' pane shows the results of the 'DESC Appointment;' query:

#	Time	Action	Message
3	14:19:09	DESC Doctor	5 row(s) returned
4	14:21:08	DESC Appointment	5 row(s) returned

The status bar at the bottom indicates 'Query Completed'.



# STEP 5 : CREATING THE TABLE “NURSE”

The screenshot displays the MySQL Workbench interface for a local instance of MySQL 8.0. The Navigator pane on the left shows the 'hospital' database selected, with a tree view of its contents. The central SQL editor contains the following query:

```
54 ,name int);  
55  
56 desc nurse;  
57  
58 insert into nurse(name,location,salary) values('Bob Smith','goa', 3800),  
59 ('Charlie', 'Chicago', 4200),  
60 ('Diana', 'america', 3900),  
61 ('Evan', 'chennai', 4100),  
62 ('Fiona', 'salem', 3600),('jee','goa',2000),('babu','chennai',4000),('jee','salem',5000);
```

Below the SQL editor, the 'Result Grid' tab is active, showing the structure of the 'nurse' table:

Field	Type	Null	Key	Default	Extra
nurse_id	int	NO	PRI	<b>NULL</b>	auto_increment
name	varchar(10)	YES		<b>NULL</b>	
location	varchar(16)	YES		<b>NULL</b>	
salary	int	YES		<b>NULL</b>	

The bottom pane shows the 'Action Output' tab, which displays the results of the executed queries:

#	Time	Action	Message
4	14:21:08	DESC Appointment	5 row(s) returned
5	14:21:45	desc nurse	4 row(s) returned

The status bar at the bottom indicates 'Query Completed'.

# STEP 6 : CREATING THE TABLE “MEDICALRECORDS

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- agg
- branch
- company
- for\_joins
- groupby\_demo
  - Tables
  - Views
  - Stored Procedures
  - Functions
- hospital
  - Tables
  - Views
  - Stored Procedures
  - Functions
- house
- info
- office
- org
- sakila
- sales
- sys

Administration Schemas

Information

No object selected

Object Info Session

Query Completed

SQL File 6\* SQL File 8\* SQL File 7\* SQL File 9\* SQL File 11\* SQL File 13\* SQL File 10\* SQL File 12\* Hospital Management

Limit to 1000 rows

```
70 diagnosis varchar(10), treatment varchar(15),
71 doc_id int, foreign key (doc_id) references Doctor(doc_id), patient_id int,
72 foreign key (patient_id) references Patient(patient_id));
73
74 • DESC MedicalRecords;
75
76 • insert into MedicalRecords(diagnosis, treatment, doc_id, patient_id) values('Diabetes', 'InsulinTherapy', 1, 2),
77 ('HighBlood', 'Medication', 3, 4),
78 ('Fracture', 'Application', 5, 6),
```

Result Grid

Field	Type	Null	Key	Default	Extra
medical_id	int	NO	PRI	HULL	auto_increment
diagnosis	varchar(10)	YES		HULL	
treatment	varchar(15)	YES		HULL	
doc_id	int	YES	MUL	HULL	
patient_id	int	YES	MUL	HULL	

Result 5 x

Output

Action Output

#	Time	Action	Message
5	14:21:45	desc nurse	4 row(s) returned
6	14:22:18	DESC MedicalRecords	5 row(s) returned