

## Database

```
mysql> use hospital;
Database changed
mysql> describe patients;
```

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
name	varchar(255)	NO		NULL	
age	int	NO		NULL	
gender	varchar(10)	NO		NULL	

```
4 rows in set (0.06 sec)
```

```
mysql> describe doctors;
```

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
name	varchar(255)	NO		NULL	
specialization	varchar(255)	NO		NULL	

```
3 rows in set (0.00 sec)
```

```
mysql> describe appointments;
```

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
patient_id	int	NO	MUL	NULL	
doctor_id	int	NO	MUL	NULL	
appointment_date	date	NO		NULL	

# View Patients

Hospital Management System

Patients

Doctors

Appointments

ID	Name	Age	Gender
1	YaseenShannu	21	Female
2	Vaishnavi	21	Female
3	Devi Priya	22	Female
7	Geetha	20	Female

Name:

Age:

Gender: 

Male

Add Patient

Patient ID:

New Name:

New Age:

New Gender: 

Male

Update Patient

Delete Patient ID:

Delete Patient

Exit

## Add Patient

Hospital Management System

Patients

Doctors

Appointments

ID	Name	Age	Gender
1	YaseenShannu	21	Female
2	Vaishnavi	21	Female
3	Devi Priya	22	Female
7	Geetha	20	Female

Message

i

Patient added successfully!

OK

Name:

Age:

Gender: 

Male

Add Patient

Patient ID:

New Name:

New Age:

New Gender: 

Male

Update Patient

Delete Patient ID:

Delete Patient

Exit

# Update Patients

Hospital Management System

Patients

Doctors

Appointments

ID	Name	Age	Gender
1	YaseenShannu	21	Female
2	Vaishnavi	21	Female
3	Devi Priya	22	Female
7	Geetha	20	Female
9	Chinku	30	Male

Message

i

Patient updated successfully!

OK

Name:

Age:

Gender: Male

Add Patient

Patient ID: 9

New Name: Chaitanya

New Age: 30

New Gender: Other

Update Patient

Delete Patient ID:

Delete Patient

Exit

# Delete Patients

Hospital Management System

Patients

Doctors

Appointments

ID	Name	Age	Gender
1	YaseenShannu	21	Female
2	Vaishnavi	21	Female
3	Devi Priya	22	Female
7	Geetha	20	Female
9	Chaitanya	30	Other

Confirm Delete

?

This will delete the patient and all their appointments. Continue?

Yes

No

Name:

Age:

Gender:

Male

Add Patient

Patient ID:

New Name:

New Age:

New Gender:

Other

Update Patient

Delete Patient ID:

9

Delete Patient

Exit

# View Doctors

Hospital Management System

Patients

Doctors

Appointments

ID	Name	Specialization
1	Ankit Varma	NeuroSurgeon
4	Karthik	Cardiologist

Name:

Specialization:

Add Doctor

Doctor ID:

New Name:

New Specialization:

Update Doctor

Delete Doctor ID:

Delete Doctor

Exit

# Add Doctors

Hospital Management System

Patients

Doctors

Appointments

ID	Name	Specialization
1	Ankit Varma	NeuroSurgeon
4	Karthik	Cardiologist

Message

i

Doctor added successfully!

OK

Name: Amurtha

Specialization: Gynaecologist

Add Doctor

Doctor ID:

New Name:

New Specialization:

Update Doctor

Delete Doctor ID:

Delete Doctor

Exit

# Update Doctors

Hospital Management System

Patients

Doctors

Appointments

ID	Name	Specialization
1	Ankit Varma	NeuroSurgeon
4	Karthik	Cardiologist
6	Amurtha	Gynaecologist

Message

i

Doctor updated successfully!

OK

Name:

Specialization:

Add Doctor

Doctor ID:

New Name:

New Specialization:

Update Doctor

Delete Doctor ID:

Delete Doctor

Exit



# Delete Doctors

Hospital Management System

Patients

Doctors

Appointments

ID	Name	Specialization
1	Ankit Varma	NeuroSurgeon
4	Karthik Borra	Cardiologist
6	Amurtha	Gynaecologist

Confirm Delete

?

This will delete the doctor and all their appointments. Continue?

Yes

No

Name:

Specialization:

Add Doctor

Doctor ID:

New Name:

New Specialization:

Update Doctor

Delete Doctor ID:

Delete Doctor

Exit

# Appointments Constraints

Hospital Management System

Patients

Doctors

Appointments

Patient: 3 - Devi PriyaDoctor: 6 - AmurthaDate (YYYY-MM-DD): 2024-09-08Book

ID	Patient	Doctor	Date
----	---------	--------	------

Message

i

Date cannot be in the past.

OK

Appointment ID to Cancel: Cancel

Exit

Hospital Management System

Patients

Doctors

Appointments

Patient: 2 - VaishnaviDoctor: 6 - AmurthaDate (YYYY-MM-DD): 2025-09-09Book

ID	Patient	Doctor	Date
9	Devi Priya	Amurtha	2025-09-09

Message

i

Doctor is not available on this date.

OK

Appointment ID to Cancel: Cancel

Exit

# Book Appointment

Hospital Management System

Patients

Doctors

Appointments

Patient:

3 - Devi Priya

Doctor:

6 - Amurtha

Date (YYYY-MM-DD):

2025-09-09

Book

ID	Patient	Doctor	Date
----	---------	--------	------

Message

Appointment booked successfully!

OK

Appointment ID to Cancel:

Cancel

Exit

# Cancel Appointment

Hospital Management System

Patients

Doctors

Appointments

Patient: 2 - Vaishnavi

Doctor: 7 - Bindumenon

Date (YYYY-MM-DD):

Book

ID	Patient	Doctor	Date
11	Vaishnavi	Bindumenon	2025-07-09
10	Geetha	Kishore	2025-09-08
9	Devi Priya	Amurtha	2025-09-09

Message

i

Appointment cancelled successfully.

OK

Appointment ID to Cancel: 11

Cancel

Exit