

create database HMS;

use HMS;

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mysql> CREATE TABLE Department (

-> dept\_it INT PRIMARY KEY,

-> dept\_name VARCHAR(50),

-> dept\_head VARCHAR(50));

```
mysql> describe Department;
```

Field	Type	Null	Key	Default	Extra
dept_it	int	NO	PRI	NULL	
dept_name	varchar(50)	YES		NULL	
dept_head	varchar(50)	YES		NULL	

3 rows in set (0.00 sec)

```
mysql> insert into Department Values (01,'Cardiology', 'Mr Arihant');  
Query OK, 1 row affected (0.03 sec)
```

```
mysql> select * from Department;
```

dept_it	dept_name	dept_head
1	Cardiology	Mr Arihant

1 row in set (0.00 sec)

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mysql> CREATE TABLE Doctor(

-> doc\_id INT PRIMARY KEY,

-> doc\_name VARCHAR(50),

-> doc\_phone VARCHAR(20),

-> doc\_email VARCHAR(50),

-> specialization VARCHAR(50),

-> doc\_dept INT,

-> FOREIGN KEY(doc\_dept)

-> REFERENCES Department(dept\_id));

```
mysql> describe Doctor;
```

Field	Type	Null	Key	Default	Extra
doc_id	int	NO	PRI	NULL	
doc_name	varchar(50)	YES		NULL	
doc_phone	varchar(20)	YES		NULL	
doc_email	varchar(50)	YES		NULL	
specialization	varchar(50)	YES		NULL	
doc_dept	int	YES	MUL	NULL	

6 rows in set (0.00 sec)

```
CREATE TABLE Patient(  
pat_id INT PRIMARY KEY,  
pat_name VARCHAR(50),  
pat_age INT,  
pat_gender CHAR(1),  
pat_phone VARCHAR(20),  
pat_email VARCHAR(50),  
pat_address VARCHAR(100),  
pat_diagnose VARCHAR(100));
```

```
mysql> describe Patient;
```

Field	Type	Null	Key	Default	Extra
pat_id	int	NO	PRI	NULL	
pat_name	varchar(50)	YES		NULL	
pat_age	int	YES		NULL	
pat_gender	char(1)	YES		NULL	
pat_phone	varchar(20)	YES		NULL	
pat_email	varchar(50)	YES		NULL	
pat_address	varchar(100)	YES		NULL	
pat_diagnose	varchar(100)	YES		NULL	

8 rows in set (0.00 sec)

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```
CREATE TABLE Room(  
  room_id INT PRIMARY KEY,  
  room_type VARCHAR(50),  
  room_dept INT,  
  room_status VARCHAR(20),  
  room_capacity INT,  
  FOREIGN KEY(room_dept) REFERENCES Department(dept_id));
```

```
mysql> describe Room;  
+-----+-----+-----+-----+-----+-----+  
| Field      | Type          | Null | Key | Default | Extra |  
+-----+-----+-----+-----+-----+-----+  
| room_id    | int           | NO   | PRI | NULL    |       |  
| room_type  | varchar(50)   | YES  |     | NULL    |       |  
| room_dept  | int           | YES  | MUL | NULL    |       |  
| room_status | varchar(20)   | YES  |     | NULL    |       |  
| room_capacity | int         | YES  |     | NULL    |       |  
+-----+-----+-----+-----+-----+-----+  
5 rows in set (0.00 sec)
```

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```
CREATE TABLE Medication(  
  -> med_id INT PRIMARY KEY,  
  -> med_name VARCHAR(50),  
  -> med_dosage VARCHAR(20),  
  -> med_frequency VARCHAR(20),  
  -> pat_id INT,  
  -> FOREIGN KEY(pat_id) REFERENCES Patient(pat_id) ON DELETE  
  CASCADE);
```

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```
mysql> describe Medication;
```

Field	Type	Null	Key	Default	Extra
med_id	int	NO	PRI	NULL	
med_name	varchar(50)	YES		NULL	
med_dosage	varchar(20)	YES		NULL	
med_frequency	varchar(20)	YES		NULL	
pat_id	int	YES	MUL	NULL	

5 rows in set (0.00 sec)

---

```
CREATE TABLE Appointment(
```

```
-> app_id INT PRIMARY KEY,
```

```
-> app_date DATE,
```

```
-> app_dept INT,
```

```
-> app_doctor INT,
```

```
-> app_patient INT,
```

```
-> FOREIGN KEY(app_dept) REFERENCES Department(dept_id) ON DELETE  
CASCADE,
```

```
-> FOREIGN KEY(app_doctor) REFERENCES Doctor(doc_id) ON DELETE  
CASCADE,
```

```
-> FOREIGN KEY(app_patient) REFERENCES Patient(pat_id) ON DELETE  
CASCADE);
```

```
mysql> describe Appointment;
```

Field	Type	Null	Key	Default	Extra
app_id	int	NO	PRI	NULL	
app_date	date	YES		NULL	
app_dept	int	YES	MUL	NULL	
app_doctor	int	YES	MUL	NULL	
app_patient	int	YES	MUL	NULL	

5 rows in set (0.00 sec)

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