First step is to create a database named "hospital" through your MySQL CLI after entering your Admin password.

then using this "hospital" database you have to create three tables, such as :

```
mysql> show tables;
+--------------------+
| Tables_in_hospital |
+--------------------+
| appointments       |
| doctors            |
| patients           |
+--------------------+
3 rows in set (0.01 sec)
```

The schema of each tables is as follow :

Patients :

```
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 (0.01 sec)
```

Doctors :

```
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)
```

Appointments :

```
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    |                |
+------------------+------+------+-----+---------+----------------+
4 rows in set (0.01 sec)
```

The appointments table takes the primary keys of patients and doctors tables as it's foreign keys. And insertion operations on doctors table is not possible directly as it questions the security of the whole system. So instead of direct insertion, The DAB(Database Administrator) has access to insert the doctors data into the table.