Ahmedabad
University

CSE250 DATABASE MANAGEMENT SYSTEM
WINTER SEMESTER 2021
SECTION – 2
GROUP – 3

PROJECT TITLE:

HOSPITAL MANAGEMENT SYSTEM

GROUP MEMBERS:

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DESCRIPTION

When it comes to healthcare maintaining everyday records is an absolute necessity. Currently, with the tenacious situations in the outside world, a management system for maintaining patient records is very crucial. A database model for Hospital Management can be used to solve the complications coming from managing all the paperwork of every patient.

Not just the patient records but records such as that of Doctors, Nurses, Blood Banks, etc. are equally important. Our project on Hospital Management System provides the ability to manage all the paperwork in one place, reducing the work of staff in arranging and analyzing the paperwork of the patients.

The implementation of hospital management systems provides the users with different advantages that improve the service quality and efficiency. The main user of our project would be the hospital staff or admin who can add, update, delete and retrieve data for each of the tables.

The following is the list of tables that we have created for the ease of user: Appointment Table, Patient Table, Doctor Table, Nurse Table, Patient Diagnosis, Room Table, Visitor's Table, Emergency Room Log, Blood Bank Records and Billing.

Each of the tables contain real world entities such that the model is easy to understand to new users.

Along with the basic CRUD features for each of the tables, we have included a few functions and procedures to make user experience more satisfactory and easy to use. For example, a procedure has been created which returns the list of number of beds available in each room so that room allotment becomes easier. Other numerous such procedures and functions have been created. Along with these triggers, validations and constraints are initiated to maintain the data accuracy.

> The flow of the project is such that a new entry is created in the Patient Table along with details like Name, Age, Gender, Blood Group, address and details of the Emergency Contact Person are noted. Upon entry in this table, each patient is assigned a patient id. Using this patient id and name, entry is made into the appointment table with a doctor depending on the purpose of the appointment.
>
> In the Appointment Table, details like Date and time of the appointment are also included. Once doctor id is assigned to the patient, the details of the doctor are also linked to the patient.
>
> Another table, called the doctor table includes the details of each doctor working in the hospital can be added. Each doctor has a doctor id, age, contact details, office room number, specialty and salary.

The Nurse Table includes name, age, gender, joining date, salary, shift days and timings along with what room number they would be providing their services to.

The Patient Diagnosis Table is to be edited by the doctor in order to keep the records of the issues, remarks and prescriptions given to the patients.

Along with these are the Billing Table and the Visitor’s Table, which as the name suggests content the final billing data and amount with respect to the patient and visitor’s information for each patient, respectively.

In order to provide a more realistic approach to our model, we have also added tables like Emergency Room Log and Blood Bank Records. The Emergency Table also has a patient id so that other details to the patient can be added. While blood bank records include the records of blood donated by others to the hospital. Since blood donation is anonymous names are not added to the table. Just the information like date, blood group and pints is kept.

Lastly the table called Room_Table is created in order to keep the details of the rooms, their types (Regular, Premium, ICU, etc.), number of beds in each room and the availability of room as a boolean value is taken.

Finally, taking into account all the mentioned details, we can make the conclusion that the hospital management system is the inevitable part of the lifecycle of the modern medical institution. It automates numerous daily operations and enables smooth interactions of the users. Developing the hospital system software is a great opportunity to create the distinct, efficient and fast delivering healthcare model.

SYSTEM REQUIREMENTS:

1. Operating system: Windows 10
   IDE: Atom
2. Backend:
   Database: MYSQL
3. Frontend:
   Language: Python
   Framework: Rest Django framework
   Styling: Css, html, bootstrap

INITIALIZATION

1. Open https://github.com/kashvi05/Hospital-Management-System.git

2. Fork the repository

3. Open terminal/git bash in your system.

4. Clone the repository locally.

5. Open the cloned repository in any IDE.

6. Open Hospital-Management-System\hospitalapi\hospitalapi\settings.py

7. In settings.py file, make the following changes in DATABASES:

```
'ENGINE': 'django.db.backends.mysql',
'NAME': 'hospital_management_system',
'USER': 'root',
'PASSWORD':'<root-password>'
'HOST':'localhost',
'PORT':'3306',
'OPTIONS':{
   'init_command':"SET sql_mode='STRICT_TRANS_TABLES'"
}
```

8. Open MYSQL

9. Run ‘Hospital.sql’ in MYSQL database.

10. Open terminal

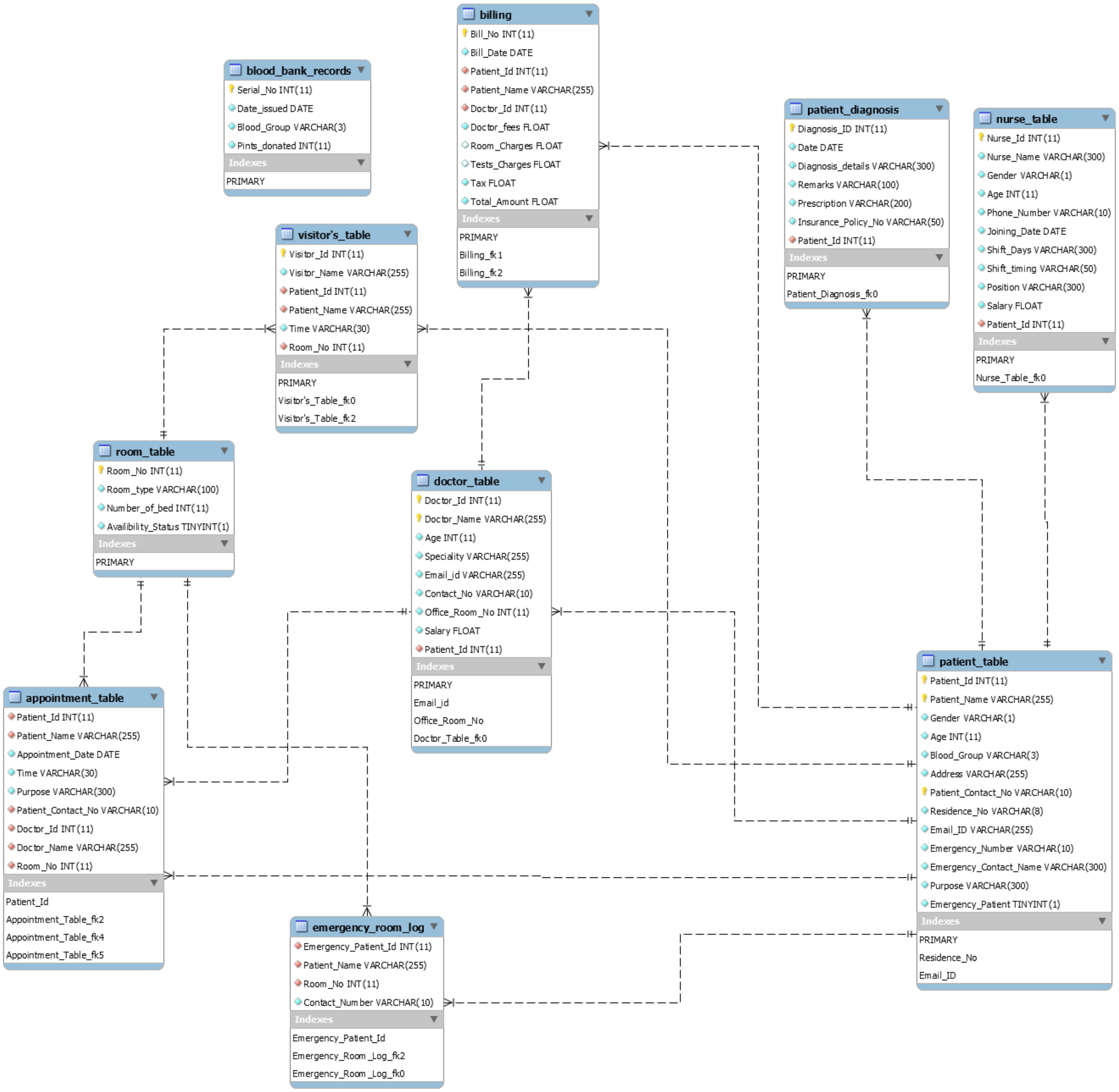
11. cd Hospital-Management-System

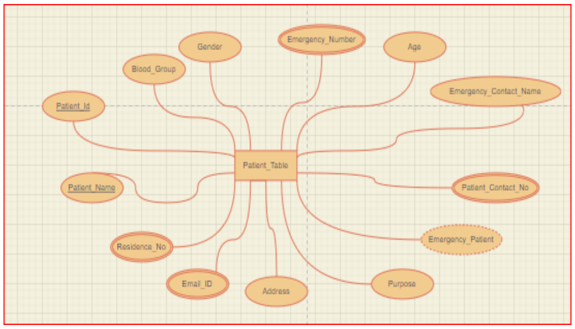
12. run python manage.py migrate

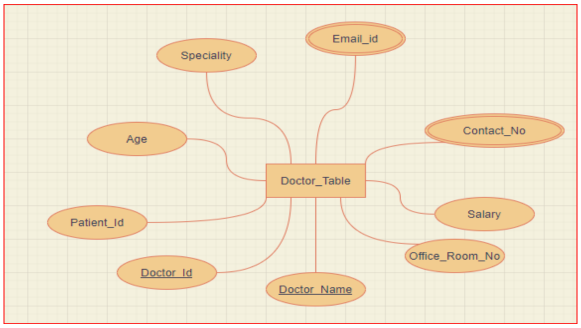
13. run python manage.py makemigrations

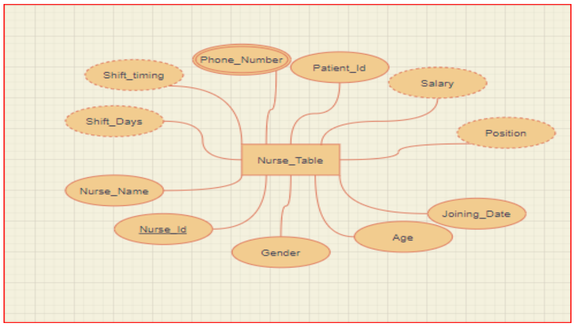
14. run python manage.py runserver

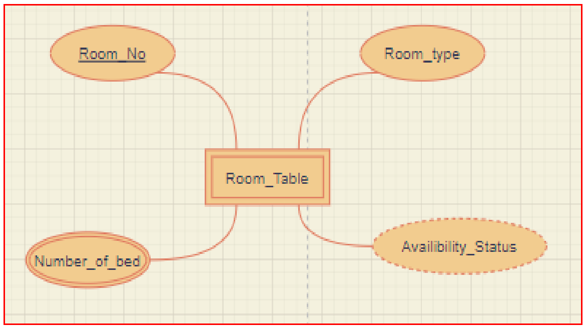
ENTITY – RELATIONSHIP DIAGRAM

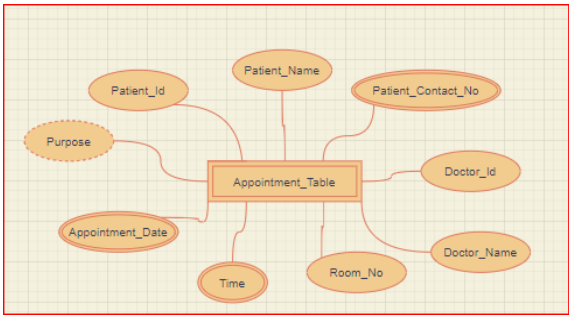


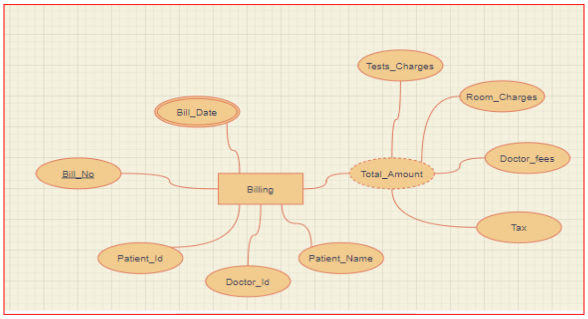

Gender
Emergency_Number
Age
Blood_Group
Emergency_Contact_Name
Patient_Id
Patient_Table
Patient_Name
Patient_Contact_No
Residence_No
Emergency_Patient
Email_ID
Address
Purpose

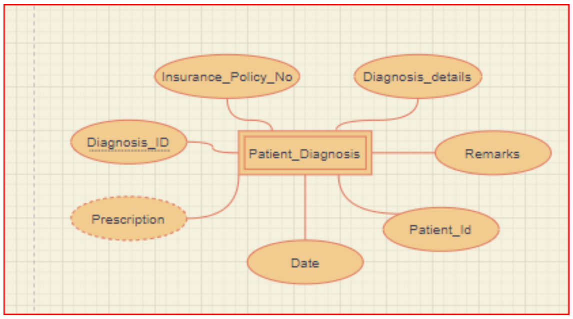

Email_id
Speciality
Contact_No
Age
Doctor_Table
Salary
Patient_Id
Office_Room_No
Doctor_Id
Doctor_Name

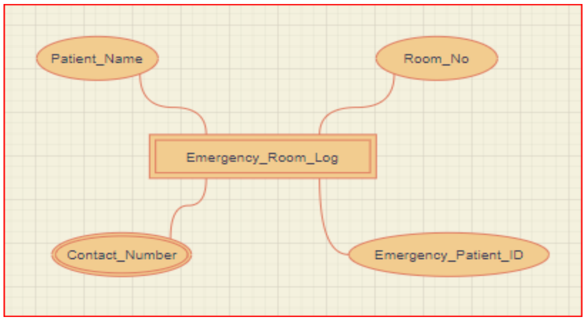

Phone_Number
Patient_Id
Shift_timing
Salary
Shift_Days
Position
Nurse_Table
Nurse_Name
Joining_Date
Nurse_Id
Age
Gender

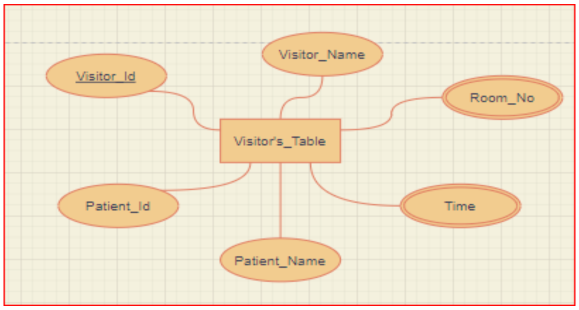

Room_No
Room_type
Room_Table
Number_of_bed
Availibility_Status

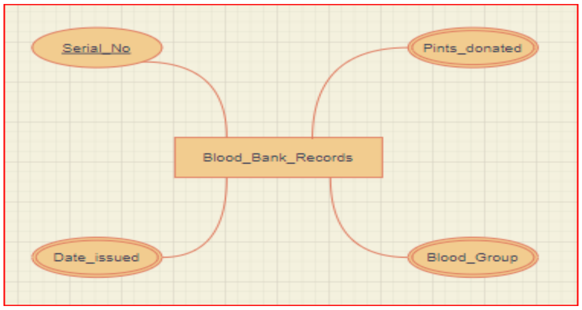

Patient_Name
Patient_Id
Patient_Contact_No
Purpose
Appointment_Table
Doctor_Id
Appointment_Date
Doctor_Name
Time
Room_No


Tests_Charges
Room_Charges
Bill_Date
Doctor_fees
Bill_No
Billing
Total_Amount
Tax
Patient_Id
Patient_Name
Doctor_Id


Insurance_Policy_No
Diagnosis_details
Diagnosis_ID
Patient_Diagnosis
Remarks
Prescription
Patient_Id
Date


Patient_Name
Room_No
Emergency_Room_Log
Contact_Number
Emergency_Patient_ID


Visitor_Id
Visitor_Name
Room_No
Visitor's_Table
Patient_Id
Time
Patient_Name


Serial_No
Pints_donated
Blood_Bank_Records
Date_issued
Blood_Group

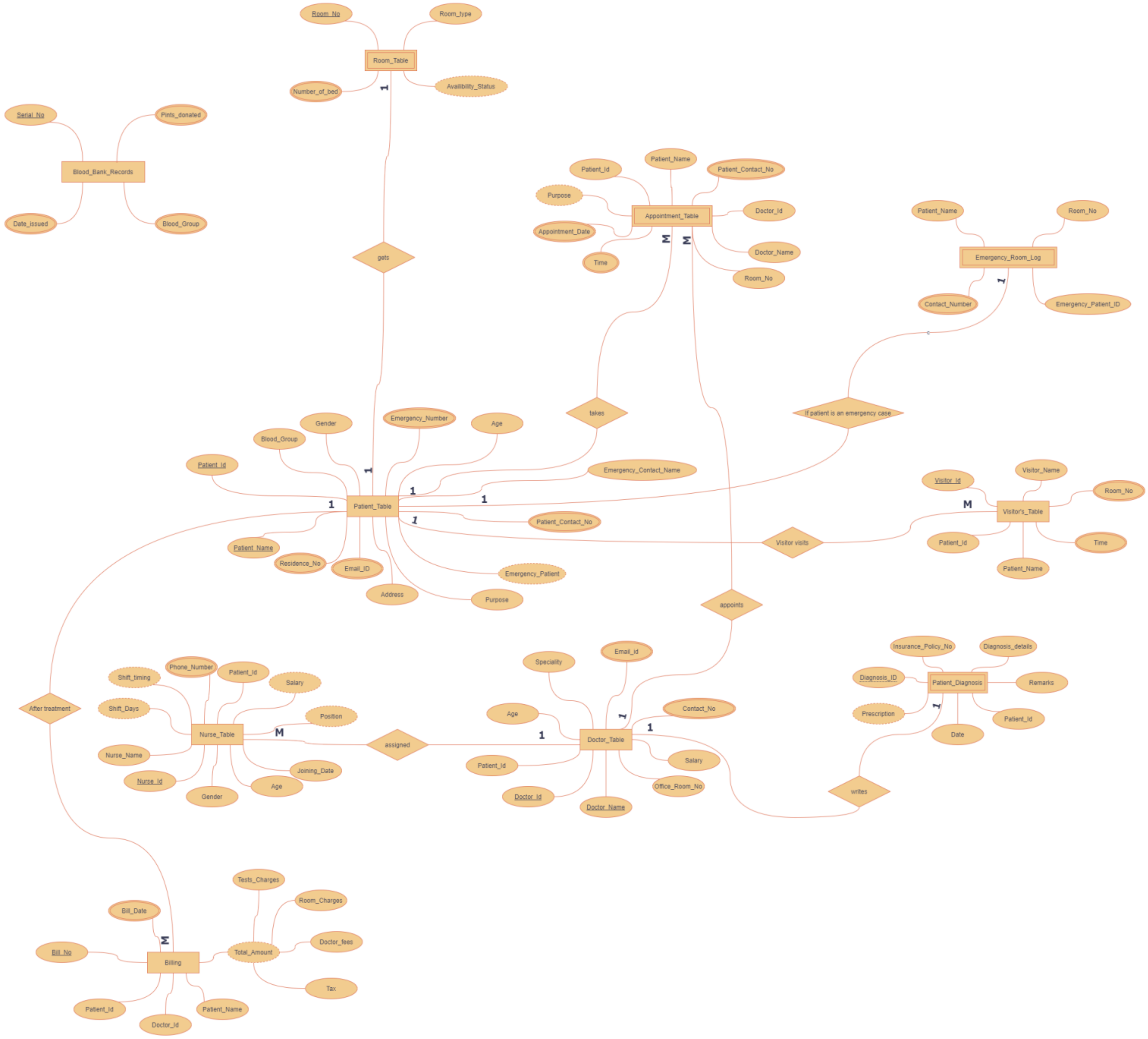
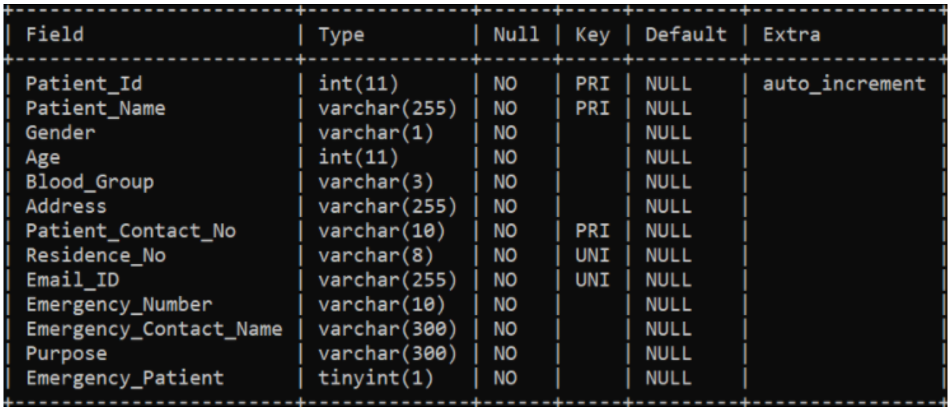

Room_No
Room_type
Room_Table
Number_of_bed
Availibility_Status
1
Serial_No
Pints_donated
Blood_Bank_Records
Date_issued
Blood_Group
gets
Patient_Id
Patient_Name
Patient_Contact_No
Purpose
Appointment_Table
Doctor_Id
Appointment_Date
Time
Doctor_Name
Room_No
M
M
Patient_Name
Room_No
Emergency_Room_Log
1
Contact_Number
Emergency_Patient_ID
takes
If patient is an emergency case
Gender
Emergency_Number
Age
Blood_Group
Patient_Id
1
1
1
1
Patient_Table
Emergency_Contact_Name
Patient_Contact_No
1
Patient_Name
Residence_No
Email_ID
Address
Emergency_Patient
Purpose
Visitor_Id
Visitor_Name
Room_No
M
Visitor's_Table
Visitor visits
Patient_Id
Time
Patient_Name
appoints
Shift_timing
Phone_Number
Patient_Id
Salary
Position
Shift_Days
After treatment
Nurse_Table
M
assigned
Nurse_Name
Joining_Date
Nurse_Id
Gender
Age
Speciality
Email_id
Age
1
Contact_No
1
1
Doctor_Table
Patient_Id
Salary
Doctor_Id
Office_Room_No
Doctor_Name
Insurance_Policy_No
Diagnosis_details
Diagnosis_ID
Patient_Diagnosis
Remarks
Prescription
1
Patient_Id
Date
writes
Tests_Charges
Room_Charges
Bill_Date
M
Bill_No
Billing
Total_Amount
Doctor_fees
Tax
Patient_Id
Patient_Name
Doctor_Id

TABLE DESIGN (DATA DICTIONARY)

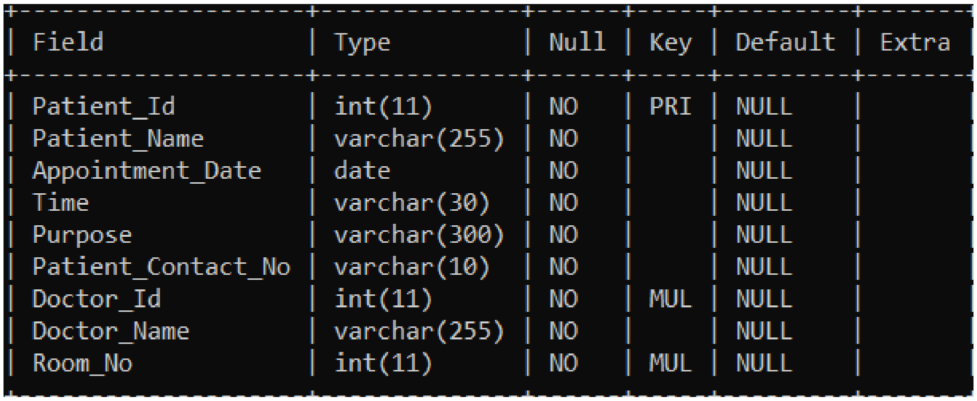
(All the tables are in 3NF)

1. Patient_Table



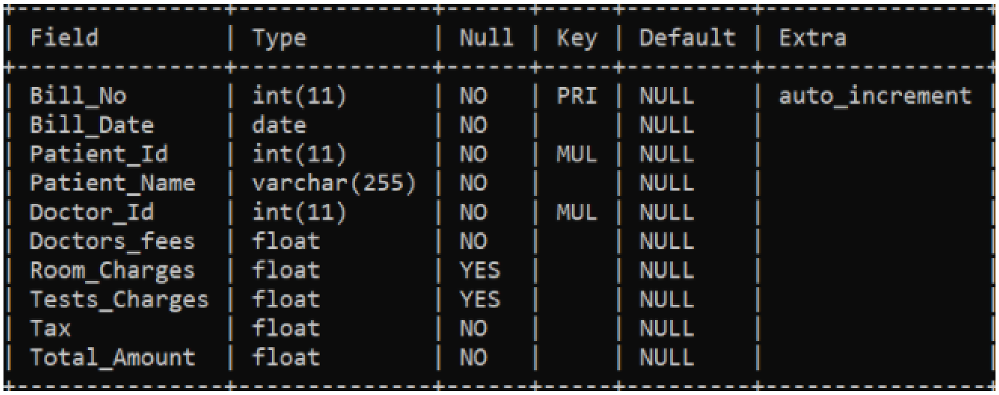
```
+-----------------------+--------------+------+-----+---------+----------------+
| Field                 | Type         | Null | Key | Default | Extra          |
+-----------------------+--------------+------+-----+---------+----------------+
| Patient_Id            | int(11)      | NO   | PRI | NULL    | auto_increment |
| Patient_Name          | varchar(255) | NO   | PRI | NULL    |                |
| Gender                | varchar(1)   | NO   |     | NULL    |                |
| Age                   | int(11)      | NO   |     | NULL    |                |
| Blood_Group           | varchar(3)   | NO   |     | NULL    |                |
| Address               | varchar(255) | NO   |     | NULL    |                |
| Patient_Contact_No    | varchar(10)  | NO   | PRI | NULL    |                |
| Residence_No          | varchar(8)   | NO   | UNI | NULL    |                |
| Email_ID              | varchar(255) | NO   | UNI | NULL    |                |
| Emergency_Number      | varchar(10)  | NO   |     | NULL    |                |
| Emergency_Contact_Name| varchar(300) | NO   |     | NULL    |                |
| Purpose               | varchar(300) | NO   |     | NULL    |                |
| Emergency_Patient     | tinyint(1)   | NO   |     | NULL    |                |
+-----------------------+--------------+------+-----+---------+----------------+
```

0. Appointment_Table



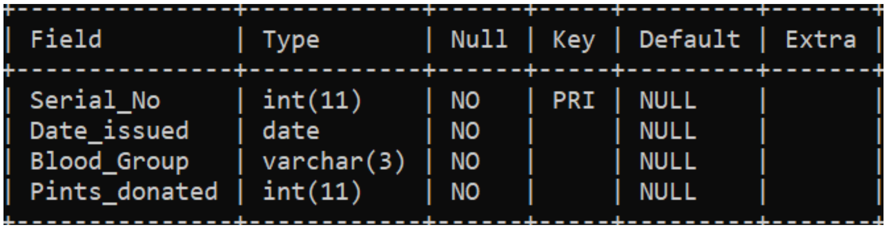
```
+--------------------+--------------+------+-----+---------+-------
| Field              | Type         | Null | Key | Default | Extra |
+--------------------+--------------+------+-----+---------+-------
| Patient_Id         | int(11)      | NO   | PRI | NULL    |       |
| Patient_Name       | varchar(255) | NO   |     | NULL    |       |
| Appointment_Date   | date         | NO   |     | NULL    |       |
| Time               | varchar(30)  | NO   |     | NULL    |       |
| Purpose            | varchar(300) | NO   |     | NULL    |       |
| Patient_Contact_No | varchar(10)  | NO   |     | NULL    |       |
| Doctor_Id          | int(11)      | NO   | MUL | NULL    |       |
| Doctor_Name        | varchar(255) | NO   |     | NULL    |       |
| Room_No            | int(11)      | NO   | MUL | NULL    |       |
+--------------------+--------------+------+-----+---------+-------
```

0. **Billing**



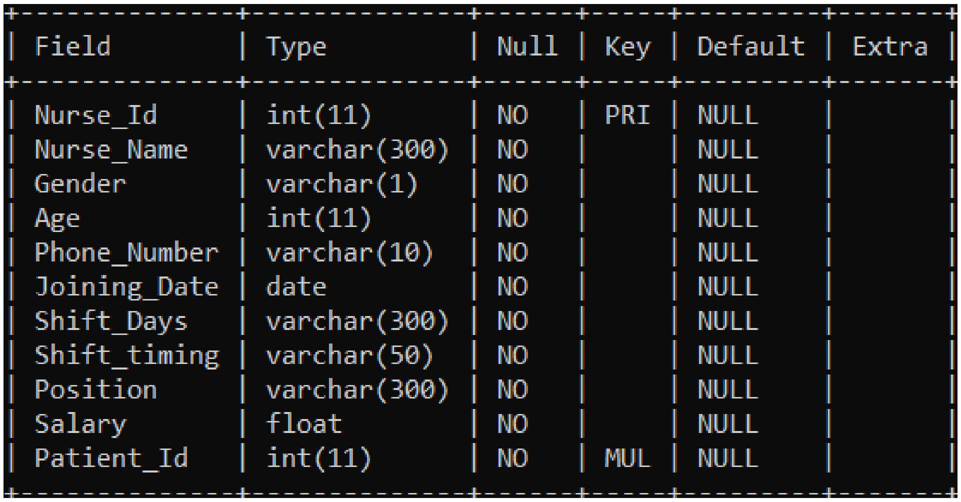
```
+---------------+--------------+------+-----+---------+----------------+
| Field         | Type         | Null | Key | Default | Extra          |
+---------------+--------------+------+-----+---------+----------------+
| Bill_No       | int(11)      | NO   | PRI | NULL    | auto_increment |
| Bill_Date     | date         | NO   |     | NULL    |                |
| Patient_Id    | int(11)      | NO   | MUL | NULL    |                |
| Patient_Name  | varchar(255) | NO   |     | NULL    |                |
| Doctor_Id     | int(11)      | NO   | MUL | NULL    |                |
| Doctors_fees  | float        | NO   |     | NULL    |                |
| Room_Charges  | float        | YES  |     | NULL    |                |
| Tests_Charges | float        | YES  |     | NULL    |                |
| Tax           | float        | NO   |     | NULL    |                |
| Total_Amount  | float        | NO   |     | NULL    |                |
+---------------+--------------+------+-----+---------+----------------+
```

0. **Blood_Bank_Records**



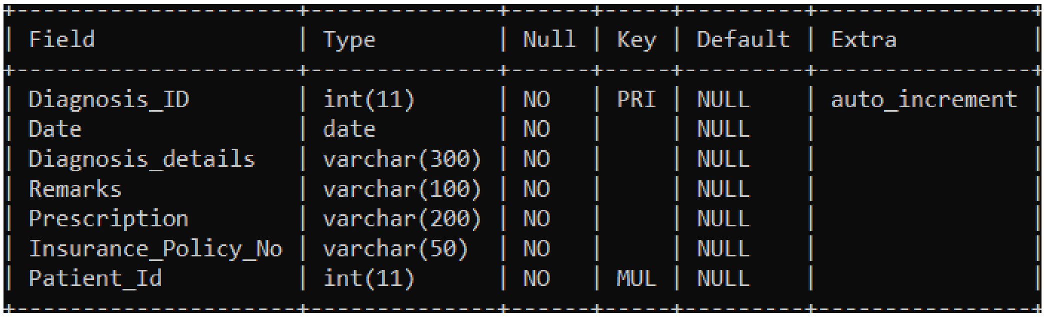
```
+---------------+------------+------+-----+---------+-------+
| Field         | Type       | Null | Key | Default | Extra |
+---------------+------------+------+-----+---------+-------+
| Serial_No     | int(11)    | NO   | PRI | NULL    |       |
| Date_issued   | date       | NO   |     | NULL    |       |
| Blood_Group   | varchar(3) | NO   |     | NULL    |       |
| Pints_donated | int(11)    | NO   |     | NULL    |       |
+---------------+------------+------+-----+---------+-------+
```

0. **Nurse_Table**



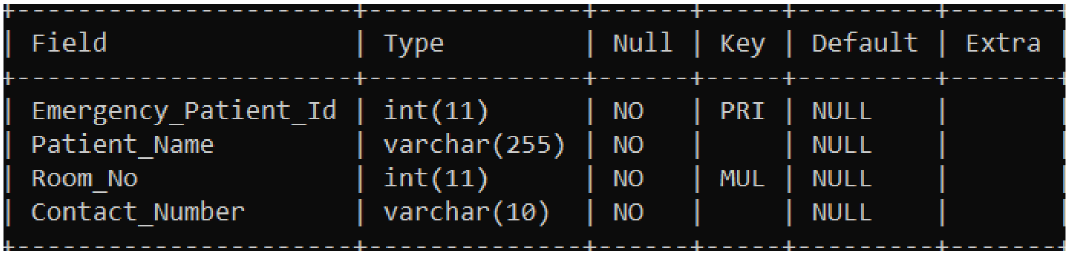
```
+--------------+--------------+------+-----+---------+-------+
| Field        | Type         | Null | Key | Default | Extra |
+--------------+--------------+------+-----+---------+-------+
| Nurse_Id     | int(11)      | NO   | PRI | NULL    |       |
| Nurse_Name   | varchar(300) | NO   |     | NULL    |       |
| Gender       | varchar(1)   | NO   |     | NULL    |       |
| Age          | int(11)      | NO   |     | NULL    |       |
| Phone_Number | varchar(10)  | NO   |     | NULL    |       |
| Joining_Date | date         | NO   |     | NULL    |       |
| Shift_Days   | varchar(300) | NO   |     | NULL    |       |
| Shift_timing | varchar(50)  | NO   |     | NULL    |       |
| Position     | varchar(300) | NO   |     | NULL    |       |
| Salary       | float        | NO   |     | NULL    |       |
| Patient_Id   | int(11)      | NO   | MUL | NULL    |       |
+--------------+--------------+------+-----+---------+-------+
```

0. Patient_Diagnosis



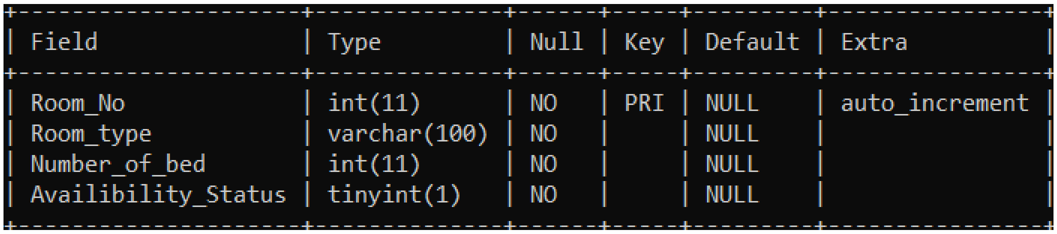
```
+---------------------+--------------+------+-----+---------+----------------+
| Field               | Type         | Null | Key | Default | Extra          |
+---------------------+--------------+------+-----+---------+----------------+
| Diagnosis_ID        | int(11)      | NO   | PRI | NULL    | auto_increment |
| Date                | date         | NO   |     | NULL    |                |
| Diagnosis_details   | varchar(300) | NO   |     | NULL    |                |
| Remarks             | varchar(100) | NO   |     | NULL    |                |
| Prescription        | varchar(200) | NO   |     | NULL    |                |
| Insurance_Policy_No | varchar(50)  | NO   |     | NULL    |                |
| Patient_Id          | int(11)      | NO   | MUL | NULL    |                |
+---------------------+--------------+------+-----+---------+----------------+
```

7. Emergency_Room_Log



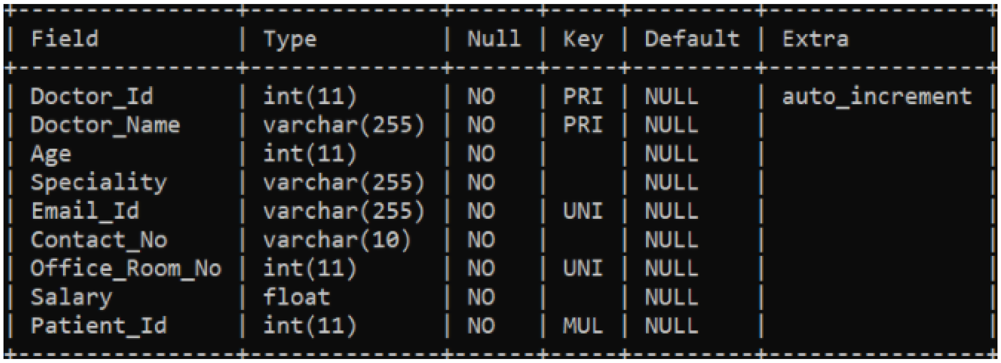
```
+----------------------+--------------+------+-----+---------+-------+
| Field                | Type         | Null | Key | Default | Extra |
+----------------------+--------------+------+-----+---------+-------+
| Emergency_Patient_Id | int(11)      | NO   | PRI | NULL    |       |
| Patient_Name         | varchar(255) | NO   |     | NULL    |       |
| Room_No              | int(11)      | NO   | MUL | NULL    |       |
| Contact_Number       | varchar(10)  | NO   |     | NULL    |       |
+----------------------+--------------+------+-----+---------+-------+
```

0. Room_Table



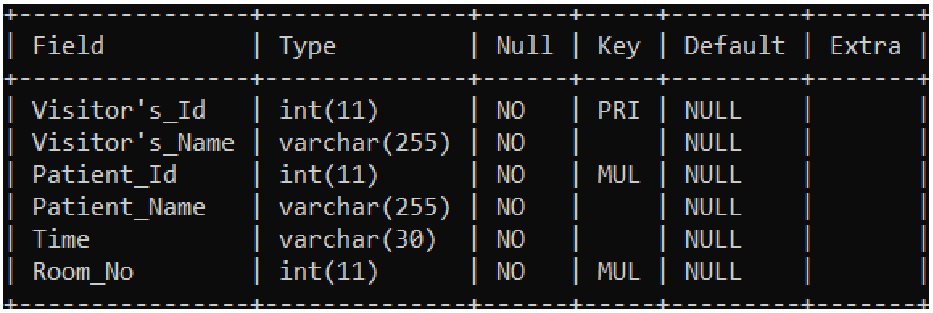
```
+---------------------+--------------+------+-----+---------+----------------+
| Field               | Type         | Null | Key | Default | Extra          |
+---------------------+--------------+------+-----+---------+----------------+
| Room_No             | int(11)      | NO   | PRI | NULL    | auto_increment |
| Room_type           | varchar(100) | NO   |     | NULL    |                |
| Number_of_bed       | int(11)      | NO   |     | NULL    |                |
| Availibility_Status | tinyint(1)   | NO   |     | NULL    |                |
+---------------------+--------------+------+-----+---------+----------------+
```

0. Doctor_Table



```
+----------------+--------------+------+-----+---------+----------------+
| Field          | Type         | Null | Key | Default | Extra          |
+----------------+--------------+------+-----+---------+----------------+
| Doctor_Id      | int(11)      | NO   | PRI | NULL    | auto_increment |
| Doctor_Name    | varchar(255) | NO   | PRI | NULL    |                |
| Age            | int(11)      | NO   |     | NULL    |                |
| Speciality     | varchar(255) | NO   |     | NULL    |                |
| Email_Id       | varchar(255) | NO   | UNI | NULL    |                |
| Contact_No     | varchar(10)  | NO   |     | NULL    |                |
| Office_Room_No | int(11)      | NO   | UNI | NULL    |                |
| Salary         | float        | NO   |     | NULL    |                |
| Patient_Id     | int(11)      | NO   | MUL | NULL    |                |
+----------------+--------------+------+-----+---------+----------------+
```

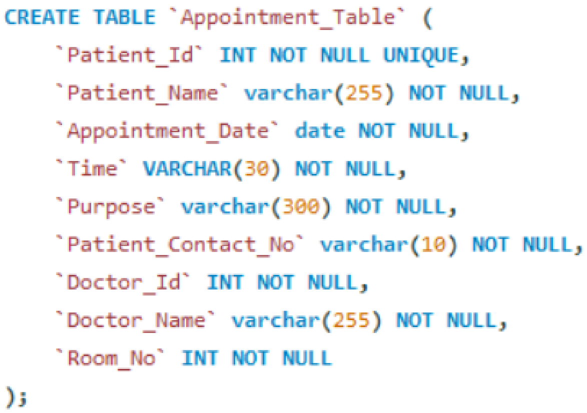
0. Visitor’s_Table



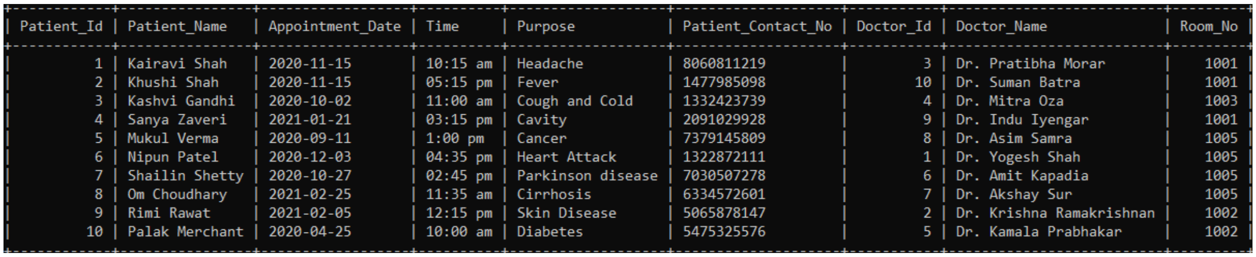
```
+----------------+--------------+------+-----+---------+-------+
| Field          | Type         | Null | Key | Default | Extra |
+----------------+--------------+------+-----+---------+-------+
| Visitor's_Id   | int(11)      | NO   | PRI | NULL    |       |
| Visitor's_Name | varchar(255) | NO   |     | NULL    |       |
| Patient_Id     | int(11)      | NO   | MUL | NULL    |       |
| Patient_Name   | varchar(255) | NO   |     | NULL    |       |
| Time           | varchar(30)  | NO   |     | NULL    |       |
| Room_No        | int(11)      | NO   | MUL | NULL    |       |
+----------------+--------------+------+-----+---------+-------+
```

TABLES AND SAMPLE DATA ENTRY

1. Appointment_Table

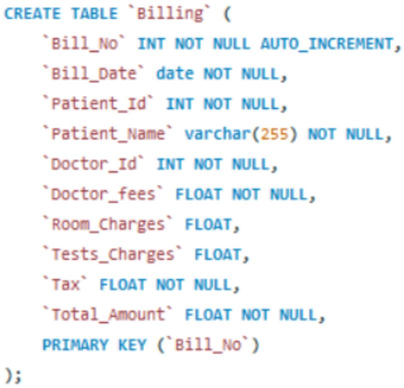


```sql
CREATE TABLE `Appointment_Table` (
    `Patient_Id` INT NOT NULL UNIQUE,
    `Patient_Name` varchar(255) NOT NULL,
    `Appointment_Date` date NOT NULL,
    `Time` VARCHAR(30) NOT NULL,
    `Purpose` varchar(300) NOT NULL,
    `Patient_Contact_No` varchar(10) NOT NULL,
    `Doctor_Id` INT NOT NULL,
    `Doctor_Name` varchar(255) NOT NULL,
    `Room_No` INT NOT NULL
);
```

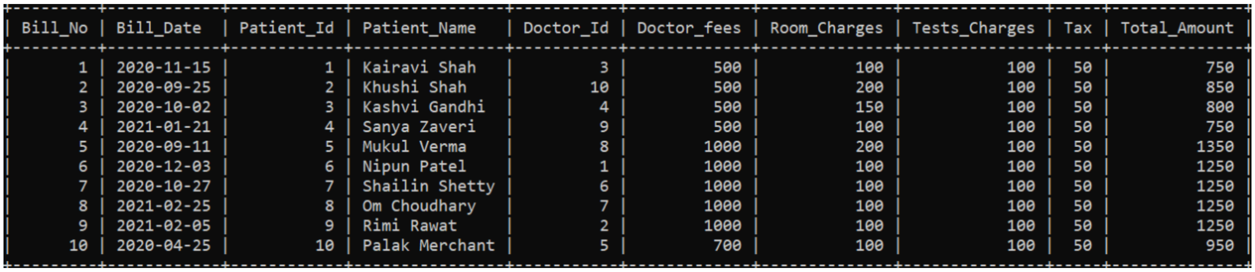


```
+------------+----------------+------------------+----------+-------------------+--------------------+-----------+--------------------------+---------+
| Patient_Id | Patient_Name   | Appointment_Date | Time     | Purpose           | Patient_Contact_No | Doctor_Id | Doctor_Name              | Room_No |
+------------+----------------+------------------+----------+-------------------+--------------------+-----------+--------------------------+---------+
|          1 | Kairavi Shah   | 2020-11-15       | 10:15 am | Headache          | 8060811219         |         3 | Dr. Pratibha Morar       |    1001 |
|          2 | Khushi Shah    | 2020-11-15       | 05:15 pm | Fever             | 1477985098         |        10 | Dr. Suman Batra          |    1001 |
|          3 | Kashvi Gandhi  | 2020-10-02       | 11:00 am | Cough and Cold    | 1332423739         |         4 | Dr. Mitra Oza            |    1003 |
|          4 | Sanya Zaveri   | 2021-01-21       | 03:15 pm | Cavity            | 2091029928         |         9 | Dr. Indu Iyengar         |    1001 |
|          5 | Mukul Verma    | 2020-09-11       | 1:00 pm  | Cancer            | 7379145809         |         8 | Dr. Asim Samra           |    1005 |
|          6 | Nipun Patel    | 2020-12-03       | 04:35 pm | Heart Attack      | 1322872111         |         1 | Dr. Yogesh Shah          |    1005 |
|          7 | Shailin Shetty | 2020-10-27       | 02:45 pm | Parkinson disease | 7030507278         |         6 | Dr. Amit Kapadia         |    1005 |
|          8 | Om Choudhary   | 2021-02-25       | 11:35 am | Cirrhosis         | 6334572601         |         7 | Dr. Akshay Sur           |    1005 |
|          9 | Rimi Rawat     | 2021-02-05       | 12:15 pm | Skin Disease      | 5065878147         |         2 | Dr. Krishna Ramakrishnan |    1002 |
|         10 | Palak Merchant | 2020-04-25       | 10:00 am | Diabetes          | 5475325576         |         5 | Dr. Kamala Prabhakar     |    1002 |
+------------+----------------+------------------+----------+-------------------+--------------------+-----------+--------------------------+---------+
```

0. Billing

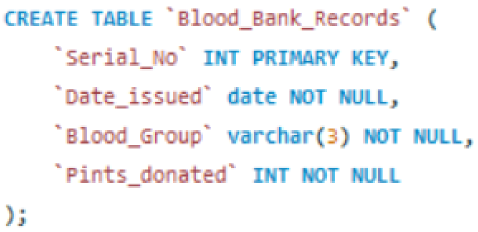


```sql
CREATE TABLE `Billing` (
    `Bill_No` INT NOT NULL AUTO_INCREMENT,
    `Bill_Date` date NOT NULL,
    `Patient_Id` INT NOT NULL,
    `Patient_Name` varchar(255) NOT NULL,
    `Doctor_Id` INT NOT NULL,
    `Doctor_fees` FLOAT NOT NULL,
    `Room_Charges` FLOAT,
    `Tests_Charges` FLOAT,
    `Tax` FLOAT NOT NULL,
    `Total_Amount` FLOAT NOT NULL,
    PRIMARY KEY (`Bill_No`)
);
```

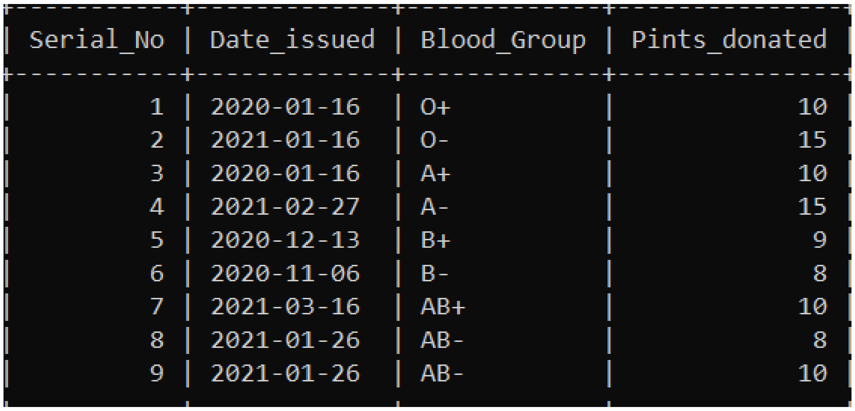


```
+---------+------------+------------+----------------+-----------+-------------+--------------+---------------+-----+--------------+
| Bill_No | Bill_Date  | Patient_Id | Patient_Name   | Doctor_Id | Doctor_fees | Room_Charges | Tests_Charges | Tax | Total_Amount |
+---------+------------+------------+----------------+-----------+-------------+--------------+---------------+-----+--------------+
|       1 | 2020-11-15 |          1 | Kairavi Shah   |         3 |         500 |          100 |           100 |  50 |          750 |
|       2 | 2020-09-25 |          2 | Khushi Shah    |        10 |         500 |          200 |           100 |  50 |          850 |
|       3 | 2020-10-02 |          3 | Kashvi Gandhi  |         4 |         500 |          150 |           100 |  50 |          800 |
|       4 | 2021-01-21 |          4 | Sanya Zaveri   |         9 |         500 |          100 |           100 |  50 |          750 |
|       5 | 2020-09-11 |          5 | Mukul Verma    |         8 |        1000 |          200 |           100 |  50 |         1350 |
|       6 | 2020-12-03 |          6 | Nipun Patel    |         1 |        1000 |          100 |           100 |  50 |         1250 |
|       7 | 2020-10-27 |          7 | Shailin Shetty |         6 |        1000 |          100 |           100 |  50 |         1250 |
|       8 | 2021-02-25 |          8 | Om Choudhary   |         7 |        1000 |          100 |           100 |  50 |         1250 |
|       9 | 2021-02-05 |          9 | Rimi Rawat     |         2 |        1000 |          100 |           100 |  50 |         1250 |
|      10 | 2020-04-25 |         10 | Palak Merchant |         5 |         700 |          100 |           100 |  50 |          950 |
+---------+------------+------------+----------------+-----------+-------------+--------------+---------------+-----+--------------+
```

0. Blood_Bank_Records

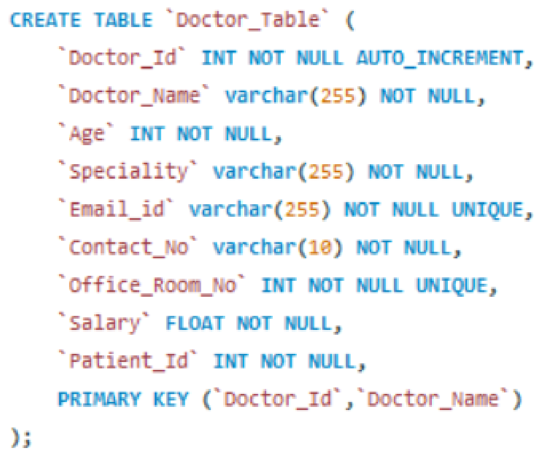


```
CREATE TABLE `Blood_Bank_Records` (
    `Serial_No` INT PRIMARY KEY,
    `Date_issued` date NOT NULL,
    `Blood_Group` varchar(3) NOT NULL,
    `Pints_donated` INT NOT NULL
);
```

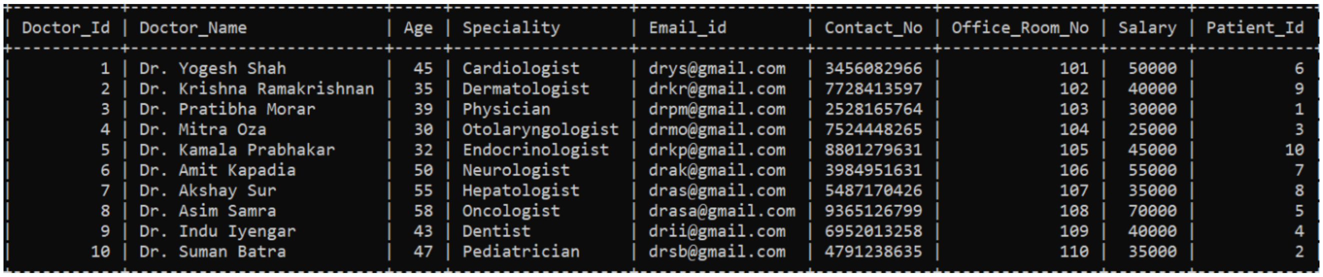


```
+-----------+-------------+-------------+---------------+
| Serial_No | Date_issued | Blood_Group | Pints_donated |
+-----------+-------------+-------------+---------------+
|         1 | 2020-01-16  | O+          |            10 |
|         2 | 2021-01-16  | O-          |            15 |
|         3 | 2020-01-16  | A+          |            10 |
|         4 | 2021-02-27  | A-          |            15 |
|         5 | 2020-12-13  | B+          |             9 |
|         6 | 2020-11-06  | B-          |             8 |
|         7 | 2021-03-16  | AB+         |            10 |
|         8 | 2021-01-26  | AB-         |             8 |
|         9 | 2021-01-26  | AB-         |            10 |
```

0. Doctor_Table

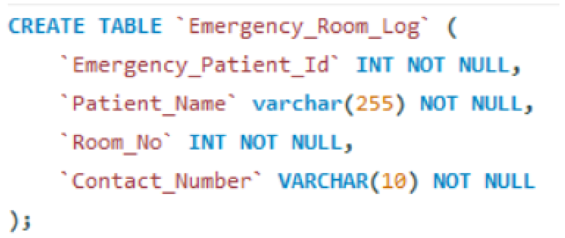


```sql
CREATE TABLE `Doctor_Table` (
    `Doctor_Id` INT NOT NULL AUTO_INCREMENT,
    `Doctor_Name` varchar(255) NOT NULL,
    `Age` INT NOT NULL,
    `Speciality` varchar(255) NOT NULL,
    `Email_id` varchar(255) NOT NULL UNIQUE,
    `Contact_No` varchar(10) NOT NULL,
    `Office_Room_No` INT NOT NULL UNIQUE,
    `Salary` FLOAT NOT NULL,
    `Patient_Id` INT NOT NULL,
    PRIMARY KEY (`Doctor_Id`,`Doctor_Name`)
);
```

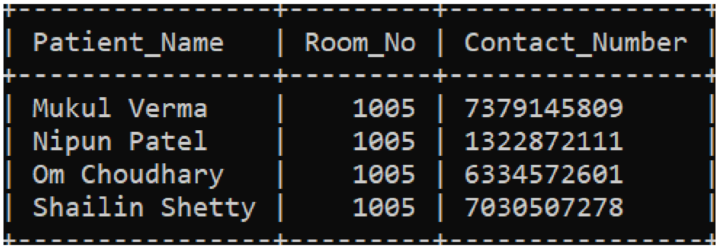


```
+-----------+--------------------------+-----+------------------+-----------------+------------+----------------+--------+------------+
| Doctor_Id | Doctor_Name              | Age | Speciality       | Email_id        | Contact_No | Office_Room_No | Salary | Patient_Id |
+-----------+--------------------------+-----+------------------+-----------------+------------+----------------+--------+------------+
|         1 | Dr. Yogesh Shah          |  45 | Cardiologist     | drys@gmail.com  | 3456082966 |            101 |  50000 |          6 |
|         2 | Dr. Krishna Ramakrishnan |  35 | Dermatologist    | drkr@gmail.com  | 7728413597 |            102 |  40000 |          9 |
|         3 | Dr. Pratibha Morar       |  39 | Physician        | drpm@gmail.com  | 2528165764 |            103 |  30000 |          1 |
|         4 | Dr. Mitra Oza            |  30 | Otolaryngologist | drmo@gmail.com  | 7524448265 |            104 |  25000 |          3 |
|         5 | Dr. Kamala Prabhakar     |  32 | Endocrinologist  | drkp@gmail.com  | 8801279631 |            105 |  45000 |         10 |
|         6 | Dr. Amit Kapadia         |  50 | Neurologist      | drak@gmail.com  | 3984951631 |            106 |  55000 |          7 |
|         7 | Dr. Akshay Sur           |  55 | Hepatologist     | dras@gmail.com  | 5487170426 |            107 |  35000 |          8 |
|         8 | Dr. Asim Samra           |  58 | Oncologist       | drasa@gmail.com | 9365126799 |            108 |  70000 |          5 |
|         9 | Dr. Indu Iyengar         |  43 | Dentist          | drii@gmail.com  | 6952013258 |            109 |  40000 |          4 |
|        10 | Dr. Suman Batra          |  47 | Pediatrician     | drsb@gmail.com  | 4791238635 |            110 |  35000 |          2 |
+-----------+--------------------------+-----+------------------+-----------------+------------+----------------+--------+------------+
```

5. Emergency_Room_Log

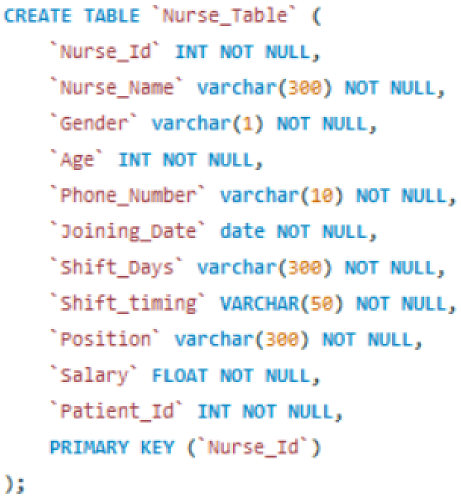


```sql
CREATE TABLE `Emergency_Room_Log` (
    `Emergency_Patient_Id` INT NOT NULL,
    `Patient_Name` varchar(255) NOT NULL,
    `Room_No` INT NOT NULL,
    `Contact_Number` VARCHAR(10) NOT NULL
);
```

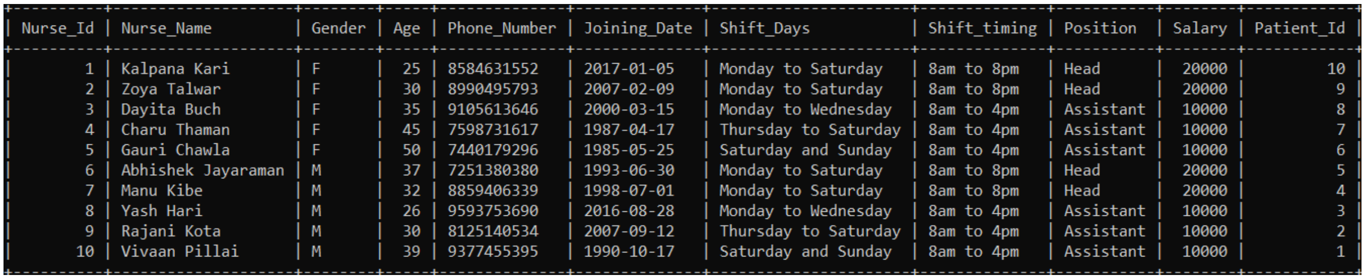


```
+----------------+---------+----------------+
| Patient_Name   | Room_No | Contact_Number |
+----------------+---------+----------------+
| Mukul Verma    |    1005 | 7379145809     |
| Nipun Patel    |    1005 | 1322872111     |
| Om Choudhary   |    1005 | 6334572601     |
| Shailin Shetty |    1005 | 7030507278     |
+----------------+---------+----------------+
```

6. Nurse_Table

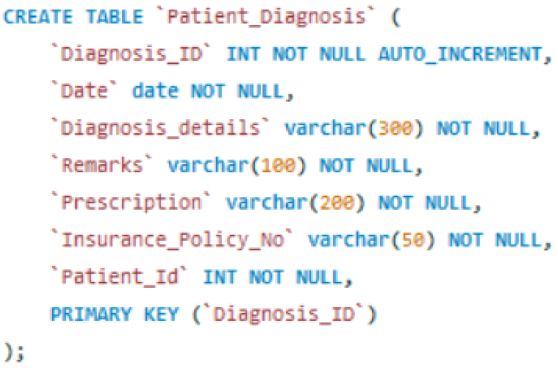


```sql
CREATE TABLE `Nurse_Table` (
    `Nurse_Id` INT NOT NULL,
    `Nurse_Name` varchar(300) NOT NULL,
    `Gender` varchar(1) NOT NULL,
    `Age` INT NOT NULL,
    `Phone_Number` varchar(10) NOT NULL,
    `Joining_Date` date NOT NULL,
    `Shift_Days` varchar(300) NOT NULL,
    `Shift_timing` VARCHAR(50) NOT NULL,
    `Position` varchar(300) NOT NULL,
    `Salary` FLOAT NOT NULL,
    `Patient_Id` INT NOT NULL,
    PRIMARY KEY (`Nurse_Id`)
);
```

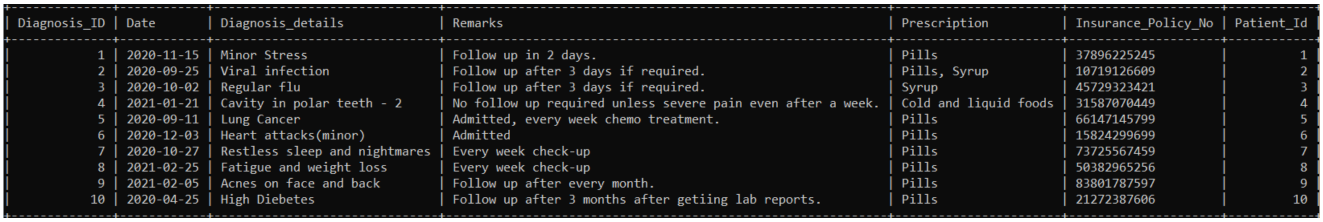


```
+----------+--------------------+--------+-----+--------------+--------------+----------------------+--------------+-----------+--------+------------+
| Nurse_Id | Nurse_Name         | Gender | Age | Phone_Number | Joining_Date | Shift_Days           | Shift_timing | Position  | Salary | Patient_Id |
+----------+--------------------+--------+-----+--------------+--------------+----------------------+--------------+-----------+--------+------------+
|        1 | Kalpana Kari       | F      |  25 | 8584631552   | 2017-01-05   | Monday to Saturday   | 8am to 8pm   | Head      |  20000 |         10 |
|        2 | Zoya Talwar        | F      |  30 | 8990495793   | 2007-02-09   | Monday to Saturday   | 8am to 8pm   | Head      |  20000 |          9 |
|        3 | Dayita Buch        | F      |  35 | 9105613646   | 2000-03-15   | Monday to Wednesday  | 8am to 4pm   | Assistant |  10000 |          8 |
|        4 | Charu Thaman       | F      |  45 | 7598731617   | 1987-04-17   | Thursday to Saturday | 8am to 4pm   | Assistant |  10000 |          7 |
|        5 | Gauri Chawla       | F      |  50 | 7440179296   | 1985-05-25   | Saturday and Sunday  | 8am to 4pm   | Assistant |  10000 |          6 |
|        6 | Abhishek Jayaraman | M      |  37 | 7251380380   | 1993-06-30   | Monday to Saturday   | 8am to 8pm   | Head      |  20000 |          5 |
|        7 | Manu Kibe          | M      |  32 | 8859406339   | 1998-07-01   | Monday to Saturday   | 8am to 8pm   | Head      |  20000 |          4 |
|        8 | Yash Hari          | M      |  26 | 9593753690   | 2016-08-28   | Monday to Wednesday  | 8am to 4pm   | Assistant |  10000 |          3 |
|        9 | Rajani Kota        | M      |  30 | 8125140534   | 2007-09-12   | Thursday to Saturday | 8am to 4pm   | Assistant |  10000 |          2 |
|       10 | Vivaan Pillai      | M      |  39 | 9377455395   | 1990-10-17   | Saturday and Sunday  | 8am to 4pm   | Assistant |  10000 |          1 |
+----------+--------------------+--------+-----+--------------+--------------+----------------------+--------------+-----------+--------+------------+
```

7. Patient_Diagnosis



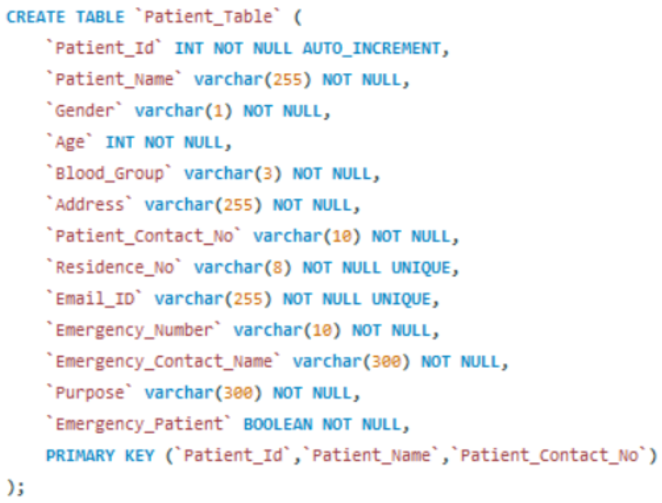
```sql
CREATE TABLE `Patient_Diagnosis` (
    `Diagnosis_ID` INT NOT NULL AUTO_INCREMENT,
    `Date` date NOT NULL,
    `Diagnosis_details` varchar(300) NOT NULL,
    `Remarks` varchar(100) NOT NULL,
    `Prescription` varchar(200) NOT NULL,
    `Insurance_Policy_No` varchar(50) NOT NULL,
    `Patient_Id` INT NOT NULL,
    PRIMARY KEY (`Diagnosis_ID`)
);
```



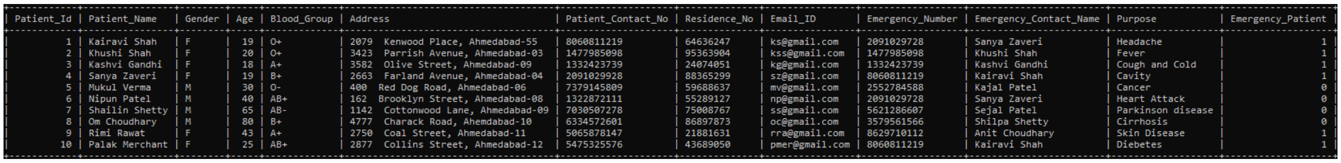
```
+--------------+------------+-------------------------------+-------------------------------------------------------------+-----------------------+---------------------+------------+
| Diagnosis_ID | Date       | Diagnosis_details             | Remarks                                                     | Prescription          | Insurance_Policy_No | Patient_Id |
+--------------+------------+-------------------------------+-------------------------------------------------------------+-----------------------+---------------------+------------+
|            1 | 2020-11-15 | Minor Stress                  | Follow up in 2 days.                                        | Pills                 | 37896225245         |          1 |
|            2 | 2020-09-25 | Viral infection               | Follow up after 3 days if required.                         | Pills, Syrup          | 10719126609         |          2 |
|            3 | 2020-10-02 | Regular flu                   | Follow up after 3 days if required.                         | Syrup                 | 45729323421         |          3 |
|            4 | 2021-01-21 | Cavity in polar teeth - 2     | No follow up required unless severe pain even after a week. | Cold and liquid foods | 31587070449         |          4 |
|            5 | 2020-09-11 | Lung Cancer                   | Admitted, every week chemo treatment.                       | Pills                 | 66147145799         |          5 |
|            6 | 2020-12-03 | Heart attacks(minor)          | Admitted                                                    | Pills                 | 15824299699         |          6 |
|            7 | 2020-10-27 | Restless sleep and nightmares | Every week check-up                                         | Pills                 | 73725567459         |          7 |
|            8 | 2021-02-25 | Fatigue and weight loss       | Every week check-up                                         | Pills                 | 50382965256         |          8 |
|            9 | 2021-02-05 | Acnes on face and back        | Follow up after every month.                                | Pills                 | 83801787597         |          9 |
|           10 | 2020-04-25 | High Diebetes                 | Follow up after 3 months after getiing lab reports.         | Pills                 | 21272387606         |         10 |
+--------------+------------+-------------------------------+-------------------------------------------------------------+-----------------------+---------------------+------------+
```

0.

8. Patient Table

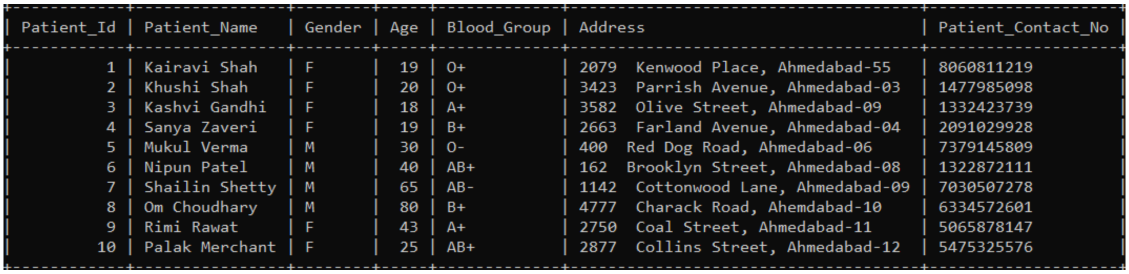


```
CREATE TABLE `Patient_Table` (
    `Patient_Id` INT NOT NULL AUTO_INCREMENT,
    `Patient_Name` varchar(255) NOT NULL,
    `Gender` varchar(1) NOT NULL,
    `Age` INT NOT NULL,
    `Blood_Group` varchar(3) NOT NULL,
    `Address` varchar(255) NOT NULL,
    `Patient_Contact_No` varchar(10) NOT NULL,
    `Residence_No` varchar(8) NOT NULL UNIQUE,
    `Email_ID` varchar(255) NOT NULL UNIQUE,
    `Emergency_Number` varchar(10) NOT NULL,
    `Emergency_Contact_Name` varchar(300) NOT NULL,
    `Purpose` varchar(300) NOT NULL,
    `Emergency_Patient` BOOLEAN NOT NULL,
    PRIMARY KEY (`Patient_Id`,`Patient_Name`,`Patient_Contact_No`)
);
```



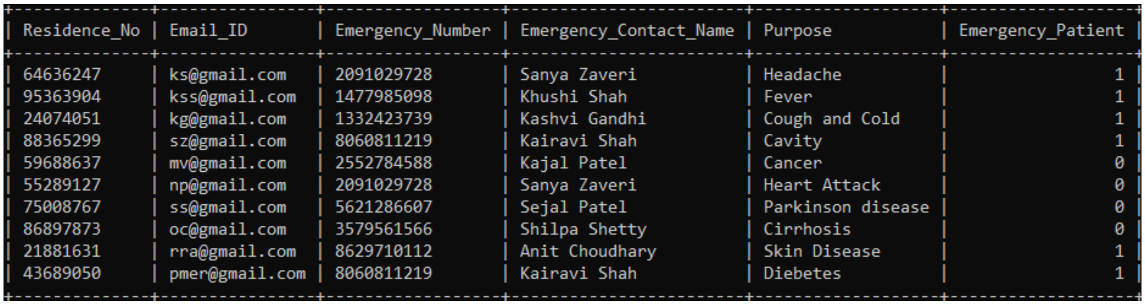
```
+------------+----------------+--------+-----+-------------+----------------------------------+--------------------+--------------+------------------+------------------+------------------------+-------------------+-------------------+
| Patient_Id | Patient_Name   | Gender | Age | Blood_Group | Address                          | Patient_Contact_No | Residence_No | Email_ID         | Emergency_Number | Emergency_Contact_Name | Purpose           | Emergency_Patient |
+------------+----------------+--------+-----+-------------+----------------------------------+--------------------+--------------+------------------+------------------+------------------------+-------------------+-------------------+
|          1 | Kairavi Shah   | F      |  19 | O+          | 2079  Kenwood Place, Ahmedabad-55 | 8060811219         | 64636247     | ks@gmail.com     | 2091029728       | Sanya Zaveri           | Headache          |                 1 |
|          2 | Khushi Shah    | F      |  20 | O+          | 3423  Parrish Avenue, Ahmedabad-03 | 1477985098        | 95363904     | kss@gmail.com    | 1477985098       | Khushi Shah            | Fever             |                 1 |
|          3 | Kashvi Gandhi  | F      |  18 | A+          | 3582  Olive Street, Ahmedabad-09  | 1332423739         | 24074051     | kg@gmail.com     | 1332423739       | Kashvi Gandhi          | Cough and Cold    |                 1 |
|          4 | Sanya Zaveri   | F      |  19 | B+          | 2663  Farland Avenue, Ahmedabad-04 | 2091029928        | 88365299     | sz@gmail.com     | 8060811219       | Kairavi Shah           | Cavity            |                 1 |
|          5 | Mukul Verma    | M      |  30 | O-          | 400  Red Dog Road, Ahmedabad-06   | 7379145809         | 59688637     | mv@gmail.com     | 2552784588       | Kajal Patel            | Cancer            |                 0 |
|          6 | Nipun Patel    | M      |  40 | AB+         | 162  Brooklyn Street, Ahmedabad-08 | 1322872111        | 55289127     | np@gmail.com     | 2091029728       | Sanya Zaveri           | Heart Attack      |                 0 |
|          7 | Shailin Shetty | M      |  65 | AB-         | 1142  Cottonwood Lane, Ahmedabad-09 | 7030507278       | 75008767     | ss@gmail.com     | 5621286607       | Sejal Patel            | Parkinson disease |                 0 |
|          8 | Om Choudhary   | M      |  80 | B+          | 4777  Charack Road, Ahemdabad-10  | 6334572601         | 86897873     | oc@gmail.com     | 3579561566       | Shilpa Shetty          | Cirrhosis         |                 0 |
|          9 | Rimi Rawat     | F      |  43 | A+          | 2750  Coal Street, Ahmedabad-11   | 5065878147         | 21881631     | rra@gmail.com    | 8629710112       | Anit Choudhary         | Skin Disease      |                 1 |
|         10 | Palak Merchant | F      |  25 | AB+         | 2877  Collins Street, Ahmedabad-12 | 5475325576        | 43689050     | pmer@gmail.com   | 8060811219       | Kairavi Shah           | Diebetes          |                 1 |
+------------+----------------+--------+-----+-------------+----------------------------------+--------------------+--------------+------------------+------------------+------------------------+-------------------+-------------------+
```

(The table being too long is blurry, thus we have added 2 more images for the same in two halves.)



```
+------------+----------------+--------+-----+-------------+-------------------------------------+--------------------+
| Patient_Id | Patient_Name   | Gender | Age | Blood_Group | Address                             | Patient_Contact_No |
+------------+----------------+--------+-----+-------------+-------------------------------------+--------------------+
|          1 | Kairavi Shah   | F      |  19 | O+          | 2079  Kenwood Place, Ahmedabad-55   | 8060811219         |
|          2 | Khushi Shah    | F      |  20 | O+          | 3423  Parrish Avenue, Ahmedabad-03  | 1477985098         |
|          3 | Kashvi Gandhi  | F      |  18 | A+          | 3582  Olive Street, Ahmedabad-09    | 1332423739         |
|          4 | Sanya Zaveri   | F      |  19 | B+          | 2663  Farland Avenue, Ahmedabad-04  | 2091029928         |
|          5 | Mukul Verma    | M      |  30 | O-          | 400  Red Dog Road, Ahmedabad-06     | 7379145809         |
|          6 | Nipun Patel    | M      |  40 | AB+         | 162  Brooklyn Street, Ahmedabad-08  | 1322872111         |
|          7 | Shailin Shetty | M      |  65 | AB-         | 1142  Cottonwood Lane, Ahmedabad-09 | 7030507278         |
|          8 | Om Choudhary   | M      |  80 | B+          | 4777  Charack Road, Ahemdabad-10    | 6334572601         |
|          9 | Rimi Rawat     | F      |  43 | A+          | 2750  Coal Street, Ahmedabad-11     | 5065878147         |
|         10 | Palak Merchant | F      |  25 | AB+         | 2877  Collins Street, Ahmedabad-12  | 5475325576         |
+------------+----------------+--------+-----+-------------+-------------------------------------+--------------------+
```

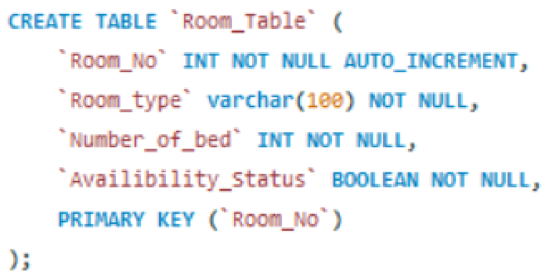
(First half)



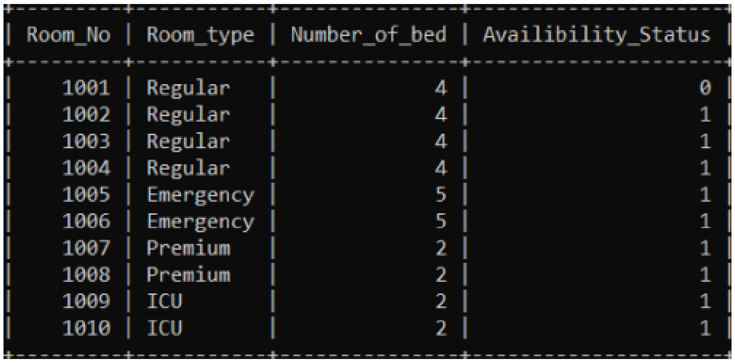
```
+--------------+----------------+------------------+------------------------+-------------------+-------------------+
| Residence_No | Email_ID       | Emergency_Number | Emergency_Contact_Name | Purpose           | Emergency_Patient |
+--------------+----------------+------------------+------------------------+-------------------+-------------------+
| 64636247     | ks@gmail.com   | 2091029728       | Sanya Zaveri           | Headache          |                 1 |
| 95363904     | kss@gmail.com  | 1477985098       | Khushi Shah            | Fever             |                 1 |
| 24074051     | kg@gmail.com   | 1332423739       | Kashvi Gandhi          | Cough and Cold    |                 1 |
| 88365299     | sz@gmail.com   | 8060811219       | Kairavi Shah           | Cavity            |                 1 |
| 59688637     | mv@gmail.com   | 2552784588       | Kajal Patel            | Cancer            |                 0 |
| 55289127     | np@gmail.com   | 2091029728       | Sanya Zaveri           | Heart Attack      |                 0 |
| 75008767     | ss@gmail.com   | 5621286607       | Sejal Patel            | Parkinson disease |                 0 |
| 86897873     | oc@gmail.com   | 3579561566       | Shilpa Shetty          | Cirrhosis         |                 0 |
| 21881631     | rra@gmail.com  | 8629710112       | Anit Choudhary         | Skin Disease      |                 1 |
| 43689050     | pmer@gmail.com | 8060811219       | Kairavi Shah           | Diebetes          |                 1 |
+--------------+----------------+------------------+------------------------+-------------------+-------------------+
```

(Second half)

0. Room_Table

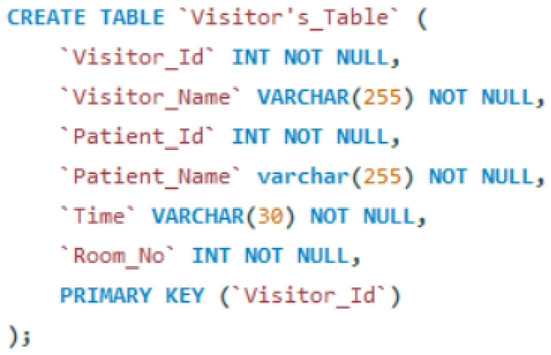


```
CREATE TABLE `Room_Table` (
    `Room_No` INT NOT NULL AUTO_INCREMENT,
    `Room_type` varchar(100) NOT NULL,
    `Number_of_bed` INT NOT NULL,
    `Availibility_Status` BOOLEAN NOT NULL,
    PRIMARY KEY (`Room_No`)
);
```

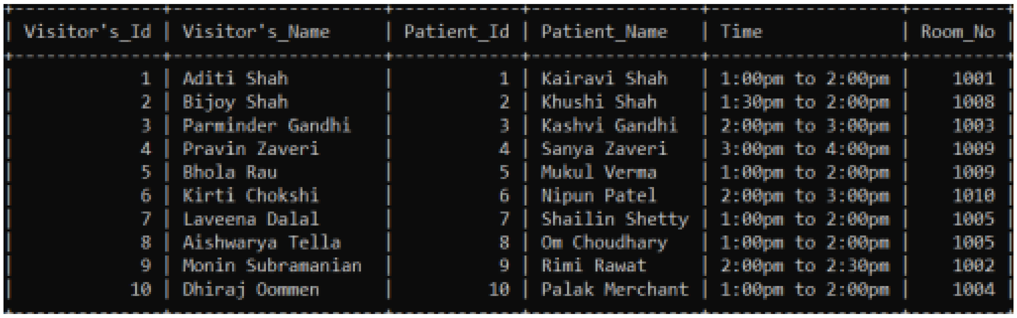


```
+---------+-----------+---------------+---------------------+
| Room_No | Room_type | Number_of_bed | Availibility_Status |
+---------+-----------+---------------+---------------------+
|    1001 | Regular   |             4 |                   0 |
|    1002 | Regular   |             4 |                   1 |
|    1003 | Regular   |             4 |                   1 |
|    1004 | Regular   |             4 |                   1 |
|    1005 | Emergency |             5 |                   1 |
|    1006 | Emergency |             5 |                   1 |
|    1007 | Premium   |             2 |                   1 |
|    1008 | Premium   |             2 |                   1 |
|    1009 | ICU       |             2 |                   1 |
|    1010 | ICU       |             2 |                   1 |
+---------+-----------+---------------+---------------------+
```

0. Visitor’s_Table

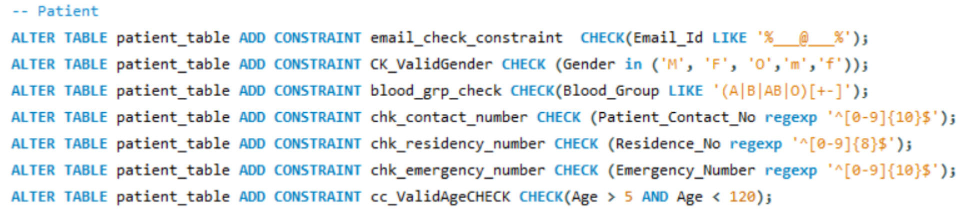


```
CREATE TABLE `Visitor's_Table` (
    `Visitor_Id` INT NOT NULL,
    `Visitor_Name` VARCHAR(255) NOT NULL,
    `Patient_Id` INT NOT NULL,
    `Patient_Name` varchar(255) NOT NULL,
    `Time` VARCHAR(30) NOT NULL,
    `Room_No` INT NOT NULL,
    PRIMARY KEY (`Visitor_Id`)
);
```

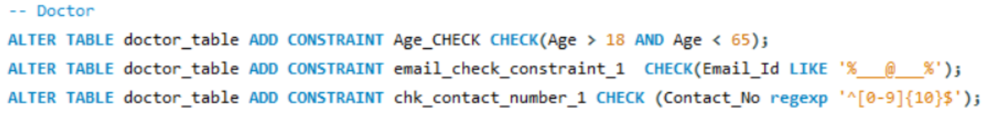


```
+--------------+-------------------+------------+----------------+-------------------+---------+
| Visitor's_Id | Visitor's_Name    | Patient_Id | Patient_Name   | Time              | Room_No |
+--------------+-------------------+------------+----------------+-------------------+---------+
|            1 | Aditi Shah        |          1 | Kairavi Shah   | 1:00pm to 2:00pm  |    1001 |
|            2 | Bijoy Shah        |          2 | Khushi Shah    | 1:30pm to 2:00pm  |    1008 |
|            3 | Parminder Gandhi  |          3 | Kashvi Gandhi  | 2:00pm to 3:00pm  |    1003 |
|            4 | Pravin Zaveri     |          4 | Sanya Zaveri   | 3:00pm to 4:00pm  |    1009 |
|            5 | Bhola Rau         |          5 | Mukul Verma    | 1:00pm to 2:00pm  |    1009 |
|            6 | Kirti Chokshi     |          6 | Nipun Patel    | 2:00pm to 3:00pm  |    1010 |
|            7 | Laveena Dalal     |          7 | Shailin Shetty | 1:00pm to 2:00pm  |    1005 |
|            8 | Aishwarya Tella   |          8 | Om Choudhary   | 1:00pm to 2:00pm  |    1005 |
|            9 | Monin Subramanian |          9 | Rimi Rawat     | 2:00pm to 2:30pm  |    1002 |
|           10 | Dhiraj Oommen     |         10 | Palak Merchant | 1:00pm to 2:00pm  |    1004 |
+--------------+-------------------+------------+----------------+-------------------+---------+
```

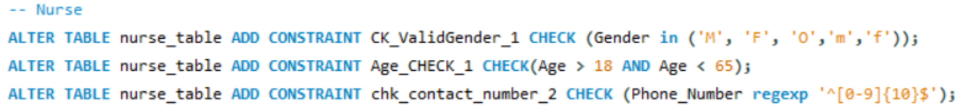
VALIDATIONS AND INTEGRITY CONSTRAINTS



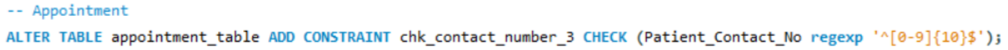
```
-- Patient
ALTER TABLE patient_table ADD CONSTRAINT email_check_constraint  CHECK(Email_Id LIKE '%___@___%');
ALTER TABLE patient_table ADD CONSTRAINT CK_ValidGender CHECK (Gender in ('M', 'F', 'O','m','f'));
ALTER TABLE patient_table ADD CONSTRAINT blood_grp_check CHECK(Blood_Group LIKE '(A|B|AB|O)[+-]');
ALTER TABLE patient_table ADD CONSTRAINT chk_contact_number CHECK (Patient_Contact_No regexp '^[0-9]{10}$');
ALTER TABLE patient_table ADD CONSTRAINT chk_residency_number CHECK (Residence_No regexp '^[0-9]{8}$');
ALTER TABLE patient_table ADD CONSTRAINT chk_emergency_number CHECK (Emergency_Number regexp '^[0-9]{10}$');
ALTER TABLE patient_table ADD CONSTRAINT cc_ValidAgeCHECK CHECK(Age > 5 AND Age < 120);
```



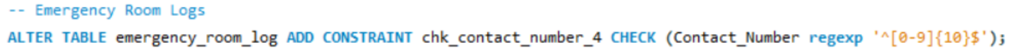
```
-- Doctor
ALTER TABLE doctor_table ADD CONSTRAINT Age_CHECK CHECK(Age > 18 AND Age < 65);
ALTER TABLE doctor_table ADD CONSTRAINT email_check_constraint_1  CHECK(Email_Id LIKE '%___@___%');
ALTER TABLE doctor_table ADD CONSTRAINT chk_contact_number_1 CHECK (Contact_No regexp '^[0-9]{10}$');
```



```
-- Nurse
ALTER TABLE nurse_table ADD CONSTRAINT CK_ValidGender_1 CHECK (Gender in ('M', 'F', 'O','m','f'));
ALTER TABLE nurse_table ADD CONSTRAINT Age_CHECK_1 CHECK(Age > 18 AND Age < 65);
ALTER TABLE nurse_table ADD CONSTRAINT chk_contact_number_2 CHECK (Phone_Number regexp '^[0-9]{10}$');
```

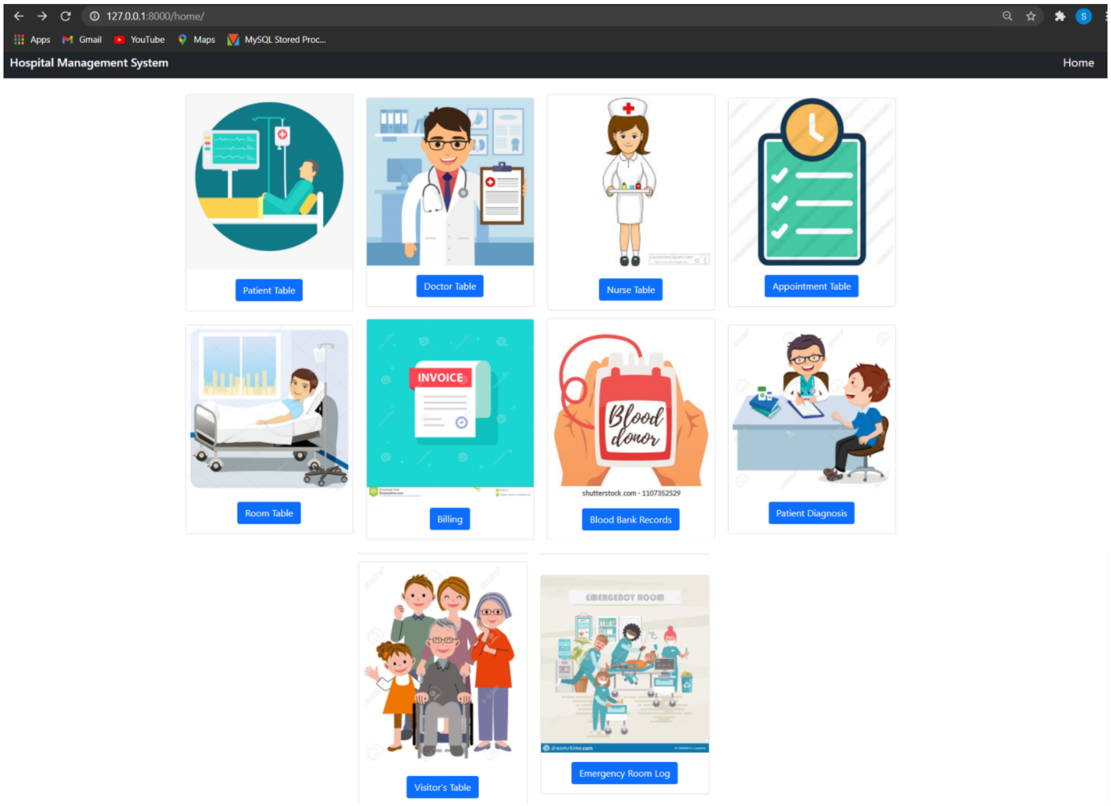


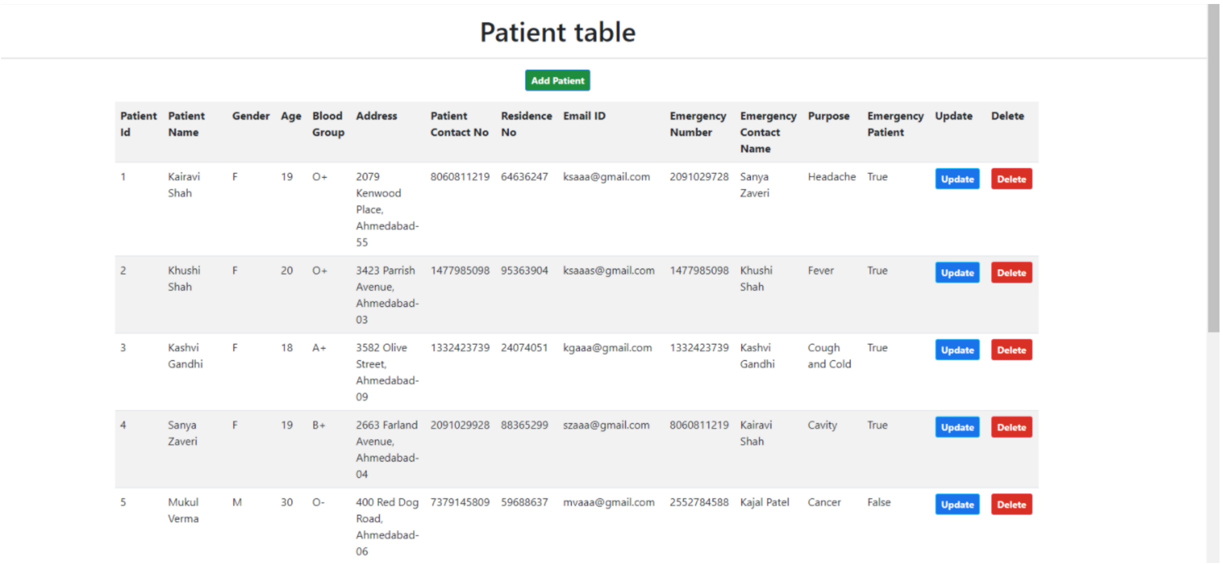
```
-- Appointment
ALTER TABLE appointment_table ADD CONSTRAINT chk_contact_number_3 CHECK (Patient_Contact_No regexp '^[0-9]{10}$');
```



```
-- Emergency Room Logs
ALTER TABLE emergency_room_log ADD CONSTRAINT chk_contact_number_4 CHECK (Contact_Number regexp '^[0-9]{10}$');
```

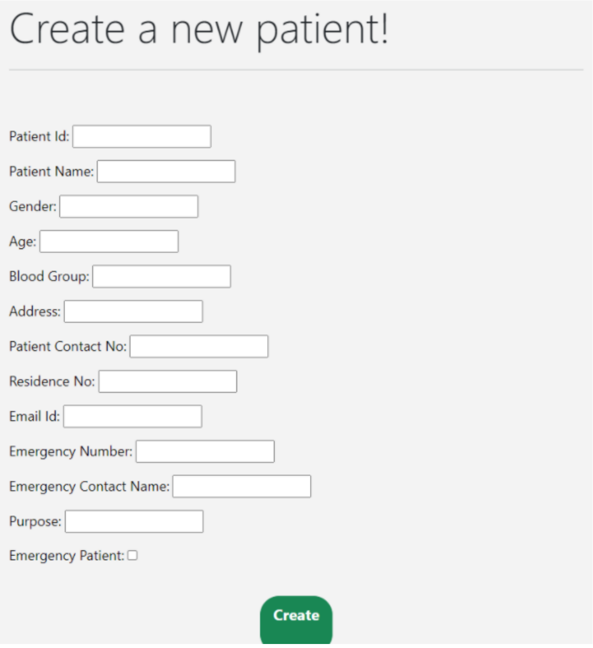
CRUD OPERATIONS AND TABLES ON FRONTEND





Patient table

Patient Id	Patient Name	Gender	Age	Blood Group	Address	Patient Contact No	Residence No	Email ID	Emergency Number	Emergency Contact Name	Purpose	Emergency Patient	Update	Delete
1	Kairavi Shah	F	19	O+	2079 Kenwood Place, Ahmedabad-55	8060811219	64636247	ksaaa@gmail.com	2091029728	Sanya Zaveri	Headache	True	Update	Delete
2	Khushi Shah	F	20	O+	3423 Parrish Avenue, Ahmedabad-03	1477985098	95363904	ksaaas@gmail.com	1477985098	Khushi Shah	Fever	True	Update	Delete
3	Kashvi Gandhi	F	18	A+	3582 Olive Street, Ahmedabad-09	1332423739	24074051	kgaaa@gmail.com	1332423739	Kashvi Gandhi	Cough and Cold	True	Update	Delete
4	Sanya Zaveri	F	19	B+	2663 Farland Avenue, Ahmedabad-04	2091029928	88365299	szaaa@gmail.com	8060811219	Kairavi Shah	Cavity	True	Update	Delete
5	Mukul Verma	M	30	O-	400 Red Dog Road, Ahmedabad-06	7379145809	59688637	mvaaa@gmail.com	2552784588	Kajal Patel	Cancer	False	Update	Delete



Create a new patient!

Patient Id:

Patient Name:

Gender:

Age:

Blood Group:

Address:

Patient Contact No:

Residence No:

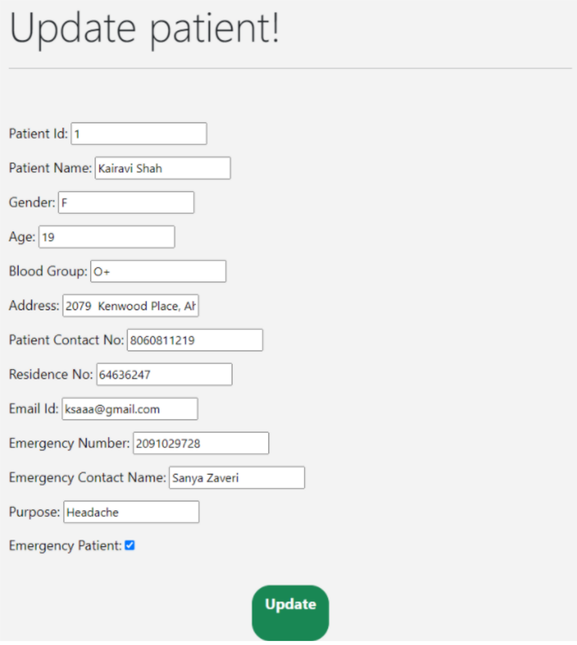
Email Id:

Emergency Number:

Emergency Contact Name:

Purpose:

Emergency Patient: □



Update patient!

Patient Id: 1

Patient Name: Kairavi Shah

Gender: F

Age: 19

Blood Group: O+

Address: 2079 Kenwood Place, Ah

Patient Contact No: 8060811219

Residence No: 64636247

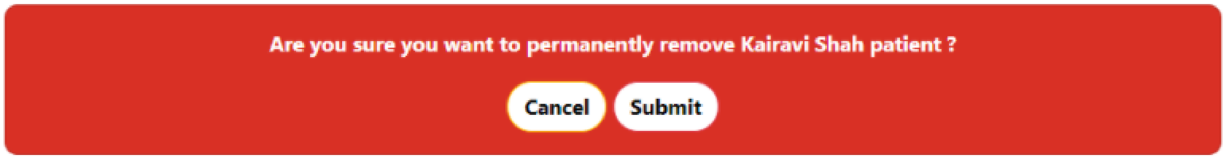
Email Id: ksaaa@gmail.com

Emergency Number: 2091029728

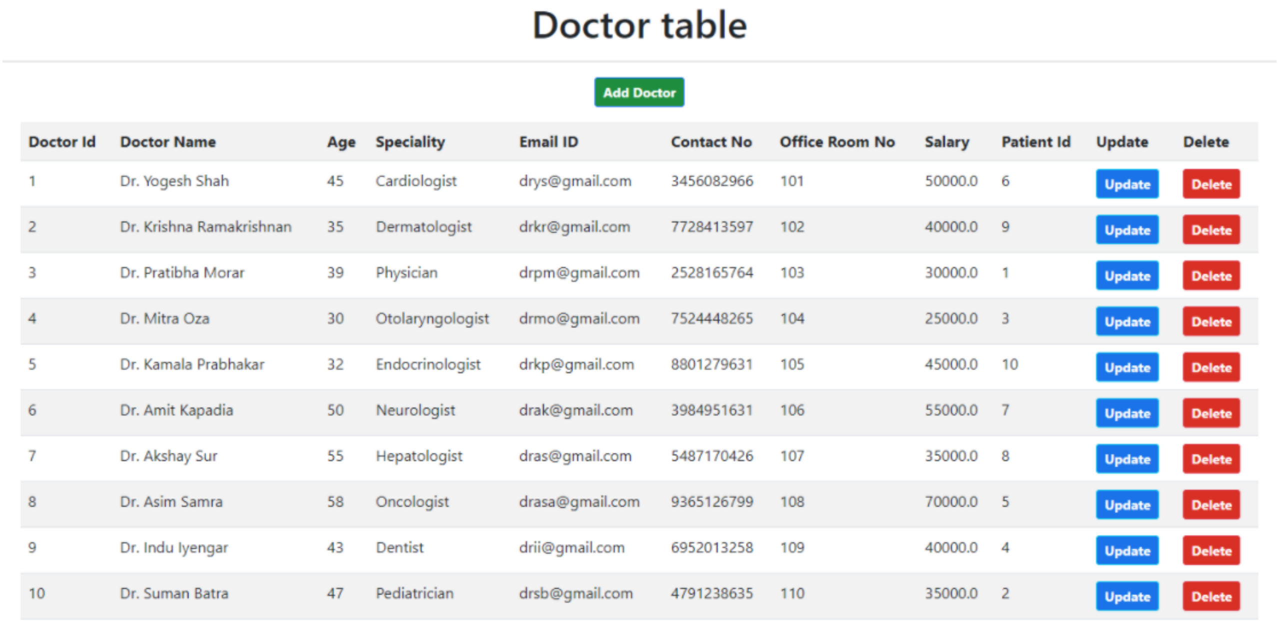
Emergency Contact Name: Sanya Zaveri

Purpose: Headache

Emergency Patient: ☑



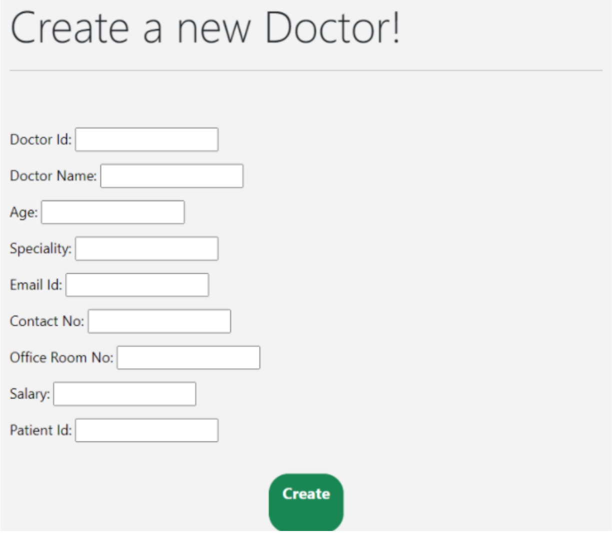
Are you sure you want to permanently remove Kairavi Shah patient ?



Doctor table

Add Doctor

Doctor Id	Doctor Name	Age	Speciality	Email ID	Contact No	Office Room No	Salary	Patient Id	Update	Delete
1	Dr. Yogesh Shah	45	Cardiologist	drys@gmail.com	3456082966	101	50000.0	6	Update	Delete
2	Dr. Krishna Ramakrishnan	35	Dermatologist	drkr@gmail.com	7728413597	102	40000.0	9	Update	Delete
3	Dr. Pratibha Morar	39	Physician	drpm@gmail.com	2528165764	103	30000.0	1	Update	Delete
4	Dr. Mitra Oza	30	Otolaryngologist	drmo@gmail.com	7524448265	104	25000.0	3	Update	Delete
5	Dr. Kamala Prabhakar	32	Endocrinologist	drkp@gmail.com	8801279631	105	45000.0	10	Update	Delete
6	Dr. Amit Kapadia	50	Neurologist	drak@gmail.com	3984951631	106	55000.0	7	Update	Delete
7	Dr. Akshay Sur	55	Hepatologist	dras@gmail.com	5487170426	107	35000.0	8	Update	Delete
8	Dr. Asim Samra	58	Oncologist	drasa@gmail.com	9365126799	108	70000.0	5	Update	Delete
9	Dr. Indu Iyengar	43	Dentist	drii@gmail.com	6952013258	109	40000.0	4	Update	Delete
10	Dr. Suman Batra	47	Pediatrician	drsb@gmail.com	4791238635	110	35000.0	2	Update	Delete



Create a new Doctor!

Doctor Id:

Doctor Name:

Age:

Speciality:

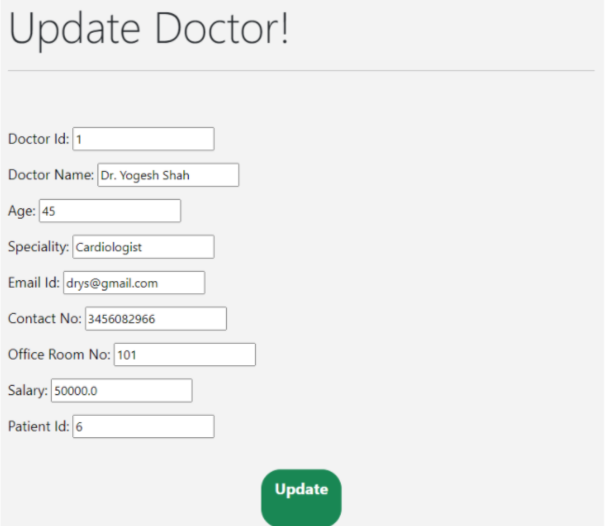
Email Id:

Contact No:

Office Room No:

Salary:

Patient Id:



Update Doctor!

Doctor Id: 1

Doctor Name: Dr. Yogesh Shah

Age: 45

Speciality: Cardiologist

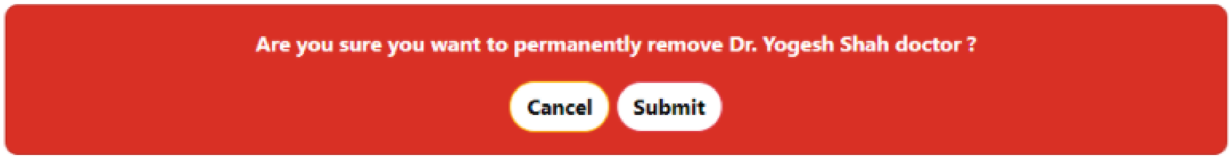
Email Id: drys@gmail.com

Contact No: 3456082966

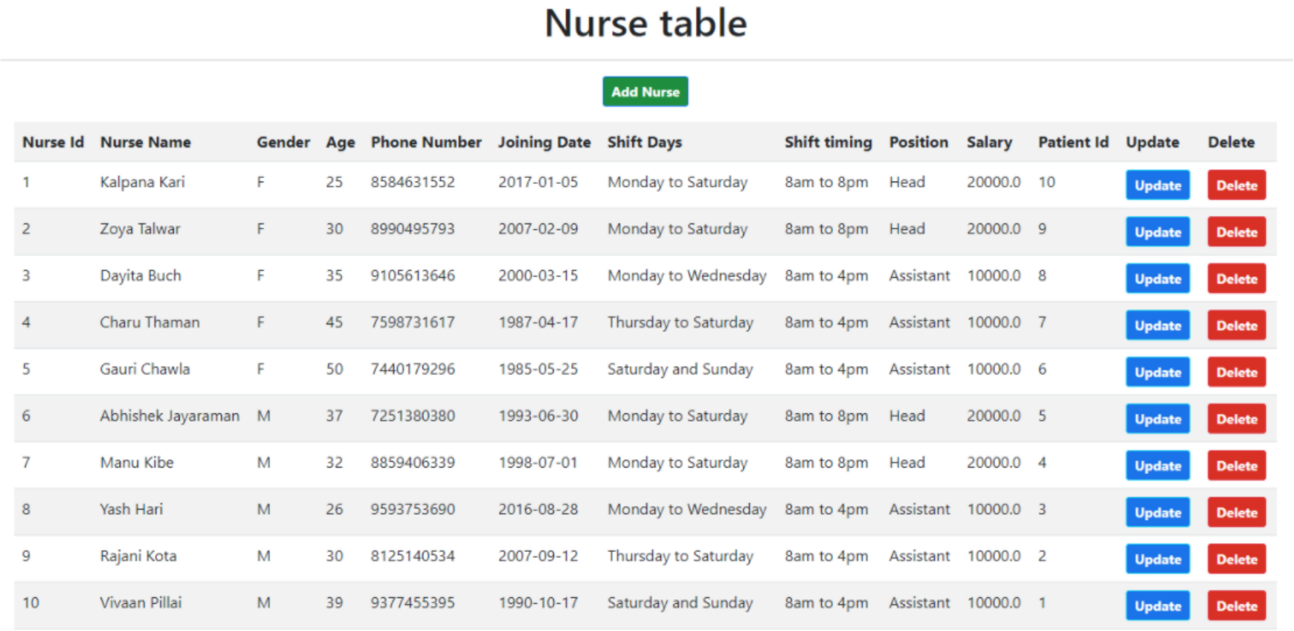
Office Room No: 101

Salary: 50000.0

Patient Id: 6

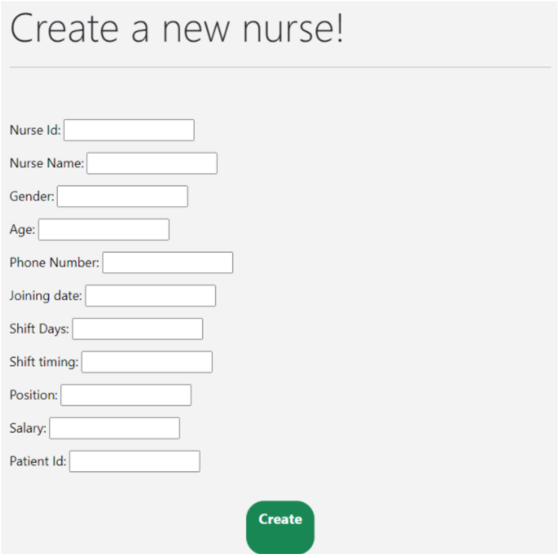


Are you sure you want to permanently remove Dr. Yogesh Shah doctor ?



Nurse table

Nurse Id	Nurse Name	Gender	Age	Phone Number	Joining Date	Shift Days	Shift timing	Position	Salary	Patient Id	Update	Delete
1	Kalpana Kari	F	25	8584631552	2017-01-05	Monday to Saturday	8am to 8pm	Head	20000.0	10	Update	Delete
2	Zoya Talwar	F	30	8990495793	2007-02-09	Monday to Saturday	8am to 8pm	Head	20000.0	9	Update	Delete
3	Dayita Buch	F	35	9105613646	2000-03-15	Monday to Wednesday	8am to 4pm	Assistant	10000.0	8	Update	Delete
4	Charu Thaman	F	45	7598731617	1987-04-17	Thursday to Saturday	8am to 4pm	Assistant	10000.0	7	Update	Delete
5	Gauri Chawla	F	50	7440179296	1985-05-25	Saturday and Sunday	8am to 4pm	Assistant	10000.0	6	Update	Delete
6	Abhishek Jayaraman	M	37	7251380380	1993-06-30	Monday to Saturday	8am to 8pm	Head	20000.0	5	Update	Delete
7	Manu Kibe	M	32	8859406339	1998-07-01	Monday to Saturday	8am to 8pm	Head	20000.0	4	Update	Delete
8	Yash Hari	M	26	9593753690	2016-08-28	Monday to Wednesday	8am to 4pm	Assistant	10000.0	3	Update	Delete
9	Rajani Kota	M	30	8125140534	2007-09-12	Thursday to Saturday	8am to 4pm	Assistant	10000.0	2	Update	Delete
10	Vivaan Pillai	M	39	9377455395	1990-10-17	Saturday and Sunday	8am to 4pm	Assistant	10000.0	1	Update	Delete



Create a new nurse!

Nurse Id:

Nurse Name:

Gender:

Age:

Phone Number:

Joining date:

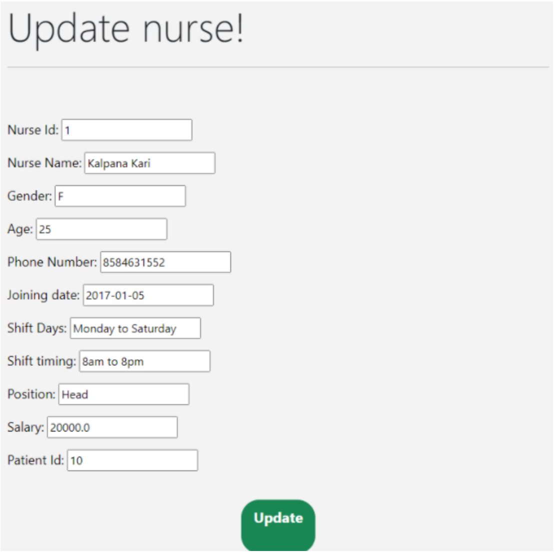
Shift Days:

Shift timing:

Position:

Salary:

Patient Id:



Update nurse!

Nurse Id: 1

Nurse Name: Kalpana Kari

Gender: F

Age: 25

Phone Number: 8584631552

Joining date: 2017-01-05

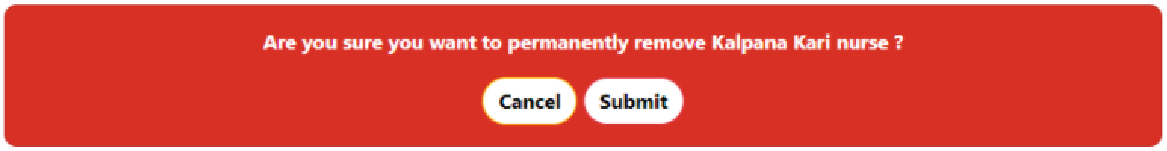
Shift Days: Monday to Saturday

Shift timing: 8am to 8pm

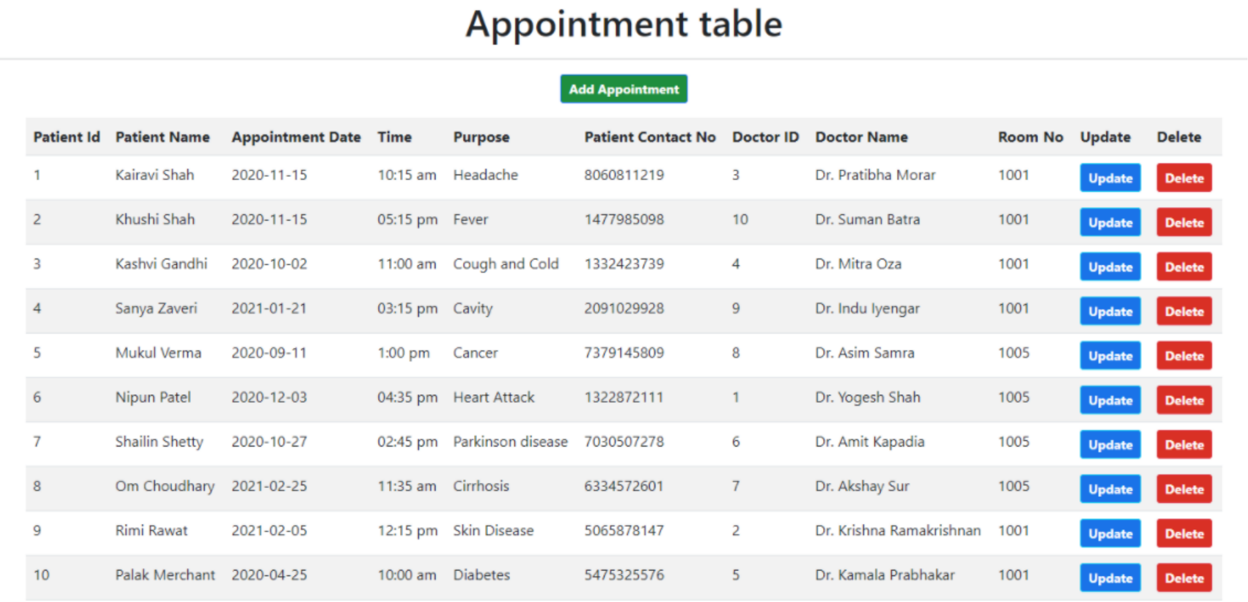
Position: Head

Salary: 20000.0

Patient Id: 10

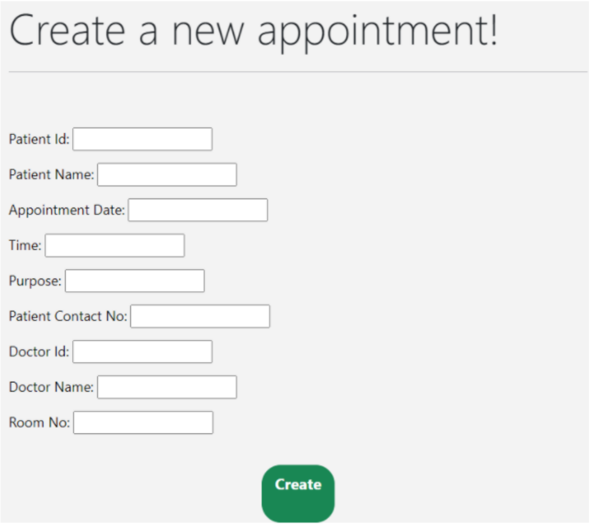


Are you sure you want to permanently remove Kalpana Kari nurse ?



Appointment table

Patient Id	Patient Name	Appointment Date	Time	Purpose	Patient Contact No	Doctor ID	Doctor Name	Room No	Update	Delete
1	Kairavi Shah	2020-11-15	10:15 am	Headache	8060811219	3	Dr. Pratibha Morar	1001	Update	Delete
2	Khushi Shah	2020-11-15	05:15 pm	Fever	1477985098	10	Dr. Suman Batra	1001	Update	Delete
3	Kashvi Gandhi	2020-10-02	11:00 am	Cough and Cold	1332423739	4	Dr. Mitra Oza	1001	Update	Delete
4	Sanya Zaveri	2021-01-21	03:15 pm	Cavity	2091029928	9	Dr. Indu Iyengar	1001	Update	Delete
5	Mukul Verma	2020-09-11	1:00 pm	Cancer	7379145809	8	Dr. Asim Samra	1005	Update	Delete
6	Nipun Patel	2020-12-03	04:35 pm	Heart Attack	1322872111	1	Dr. Yogesh Shah	1005	Update	Delete
7	Shailin Shetty	2020-10-27	02:45 pm	Parkinson disease	7030507278	6	Dr. Amit Kapadia	1005	Update	Delete
8	Om Choudhary	2021-02-25	11:35 am	Cirrhosis	6334572601	7	Dr. Akshay Sur	1005	Update	Delete
9	Rimi Rawat	2021-02-05	12:15 pm	Skin Disease	5065878147	2	Dr. Krishna Ramakrishnan	1001	Update	Delete
10	Palak Merchant	2020-04-25	10:00 am	Diabetes	5475325576	5	Dr. Kamala Prabhakar	1001	Update	Delete



Create a new appointment!

Patient Id:

Patient Name:

Appointment Date:

Time:

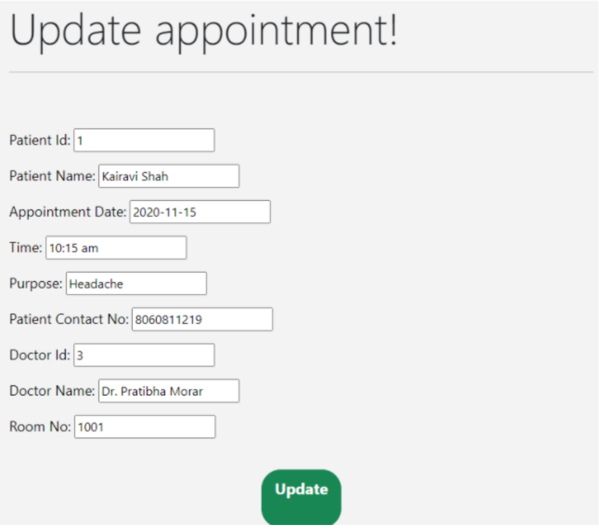
Purpose:

Patient Contact No:

Doctor Id:

Doctor Name:

Room No:



Update appointment!

Patient Id: 1

Patient Name: Kairavi Shah

Appointment Date: 2020-11-15

Time: 10:15 am

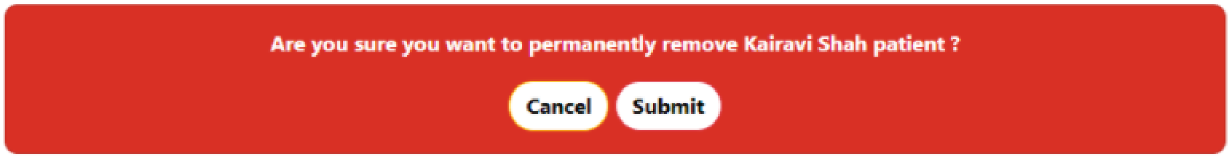
Purpose: Headache

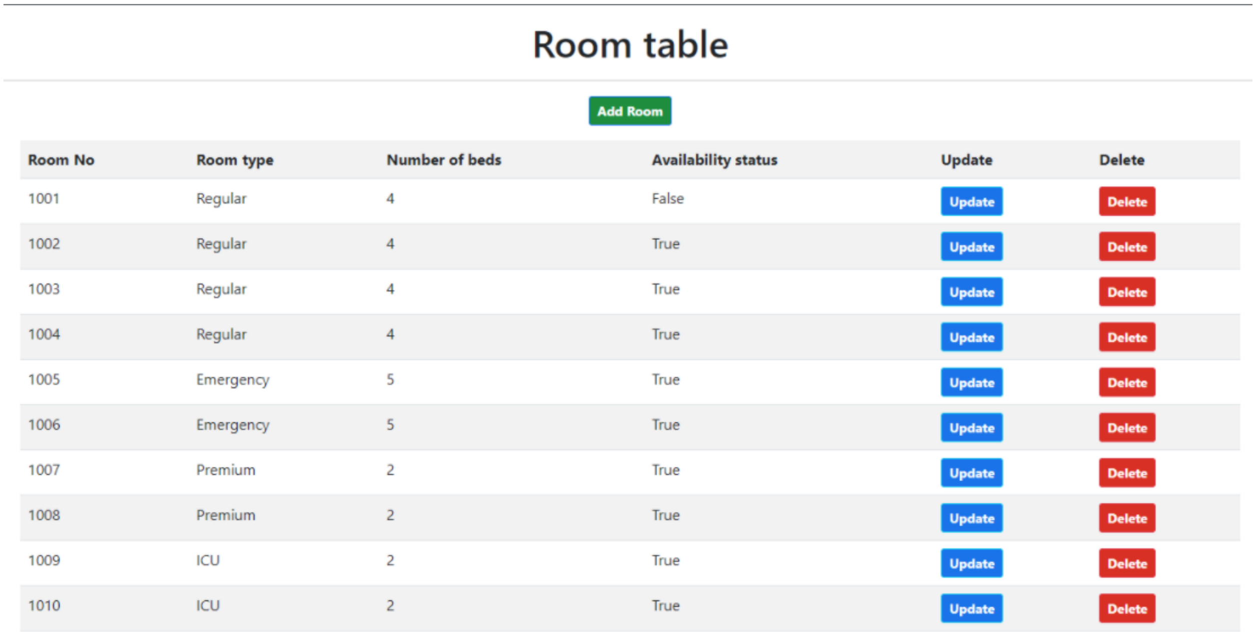
Patient Contact No: 8060811219

Doctor Id: 3

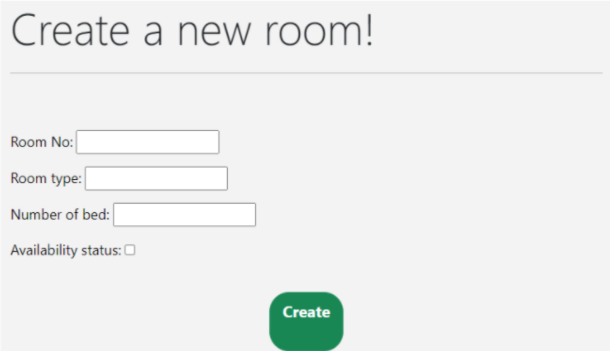
Doctor Name: Dr. Pratibha Morar

Room No: 1001


Are you sure you want to permanently remove Kairavi Shah patient ?


Room table

Room No	Room type	Number of beds	Availability status	Update	Delete
1001	Regular	4	False	Update	Delete
1002	Regular	4	True	Update	Delete
1003	Regular	4	True	Update	Delete
1004	Regular	4	True	Update	Delete
1005	Emergency	5	True	Update	Delete
1006	Emergency	5	True	Update	Delete
1007	Premium	2	True	Update	Delete
1008	Premium	2	True	Update	Delete
1009	ICU	2	True	Update	Delete
1010	ICU	2	True	Update	Delete

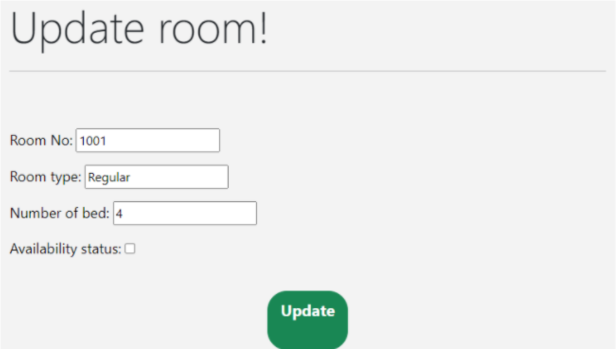

Create a new room!

Room No:

Room type:

Number of bed:

Availability status: □

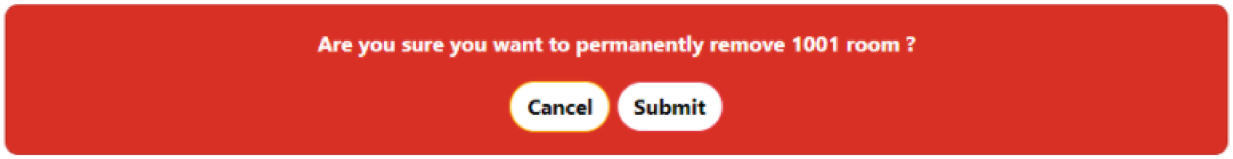

Update room!

Room No: 1001

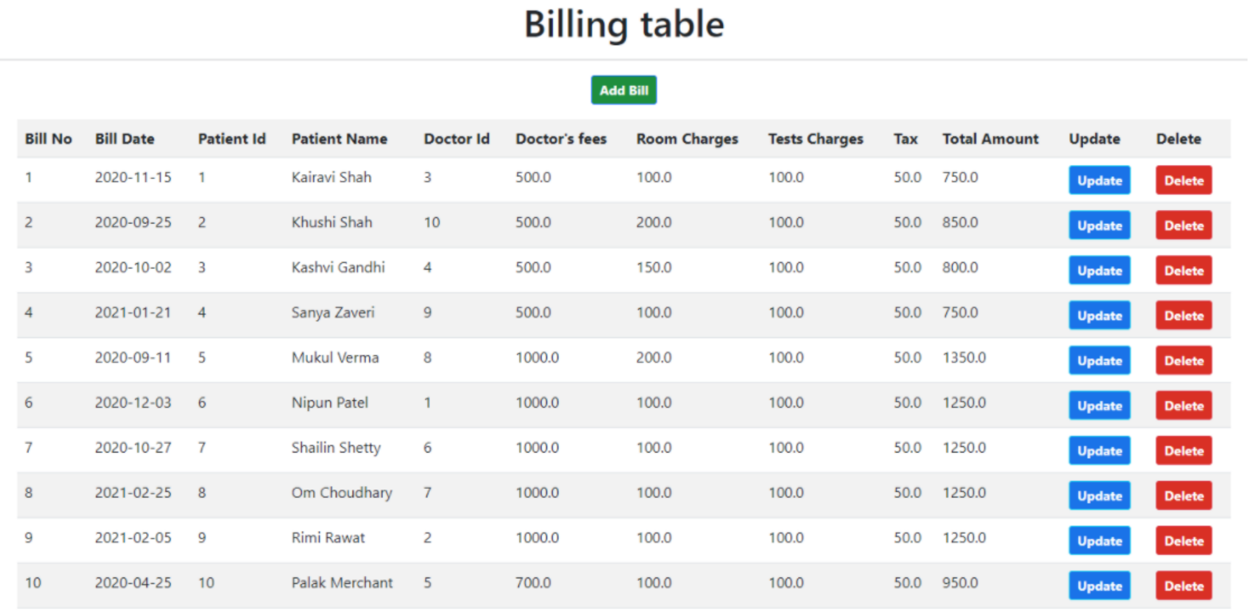
Room type: Regular

Number of bed: 4

Availability status: □

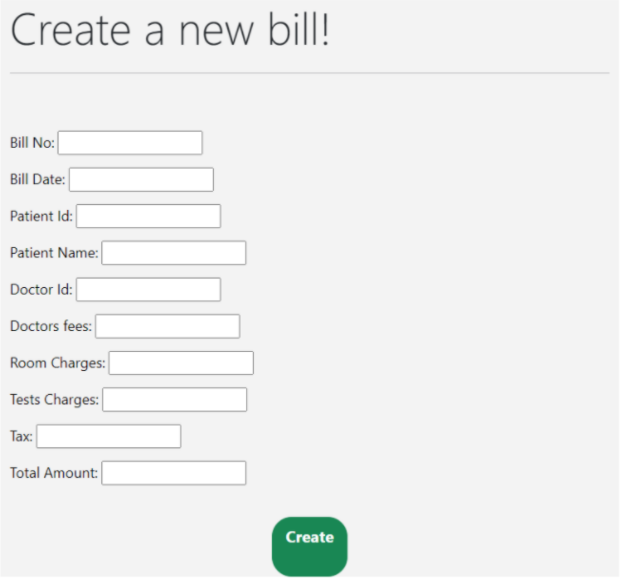


Are you sure you want to permanently remove 1001 room ?



Billing table

Bill No	Bill Date	Patient Id	Patient Name	Doctor Id	Doctor's fees	Room Charges	Tests Charges	Tax	Total Amount	Update	Delete
1	2020-11-15	1	Kairavi Shah	3	500.0	100.0	100.0	50.0	750.0	Update	Delete
2	2020-09-25	2	Khushi Shah	10	500.0	200.0	100.0	50.0	850.0	Update	Delete
3	2020-10-02	3	Kashvi Gandhi	4	500.0	150.0	100.0	50.0	800.0	Update	Delete
4	2021-01-21	4	Sanya Zaveri	9	500.0	100.0	100.0	50.0	750.0	Update	Delete
5	2020-09-11	5	Mukul Verma	8	1000.0	200.0	100.0	50.0	1350.0	Update	Delete
6	2020-12-03	6	Nipun Patel	1	1000.0	100.0	100.0	50.0	1250.0	Update	Delete
7	2020-10-27	7	Shailin Shetty	6	1000.0	100.0	100.0	50.0	1250.0	Update	Delete
8	2021-02-25	8	Om Choudhary	7	1000.0	100.0	100.0	50.0	1250.0	Update	Delete
9	2021-02-05	9	Rimi Rawat	2	1000.0	100.0	100.0	50.0	1250.0	Update	Delete
10	2020-04-25	10	Palak Merchant	5	700.0	100.0	100.0	50.0	950.0	Update	Delete



Create a new bill!

Bill No:

Bill Date:

Patient Id:

Patient Name:

Doctor Id:

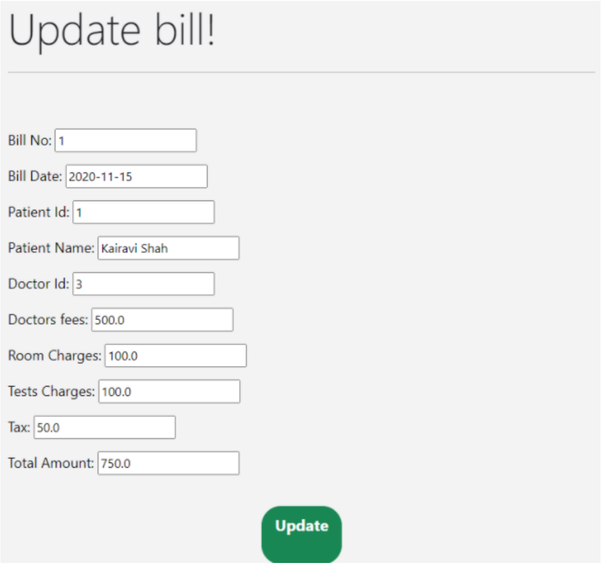
Doctors fees:

Room Charges:

Tests Charges:

Tax:

Total Amount:



Update bill!

Bill No: 1

Bill Date: 2020-11-15

Patient Id: 1

Patient Name: Kairavi Shah

Doctor Id: 3

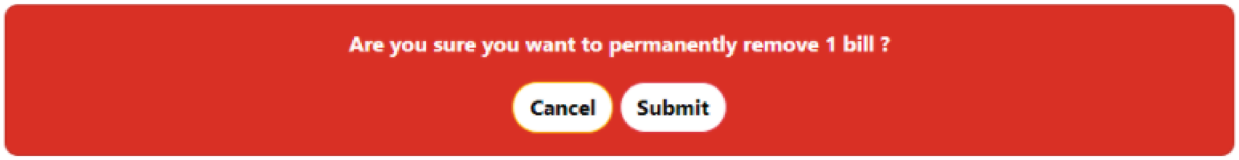
Doctors fees: 500.0

Room Charges: 100.0

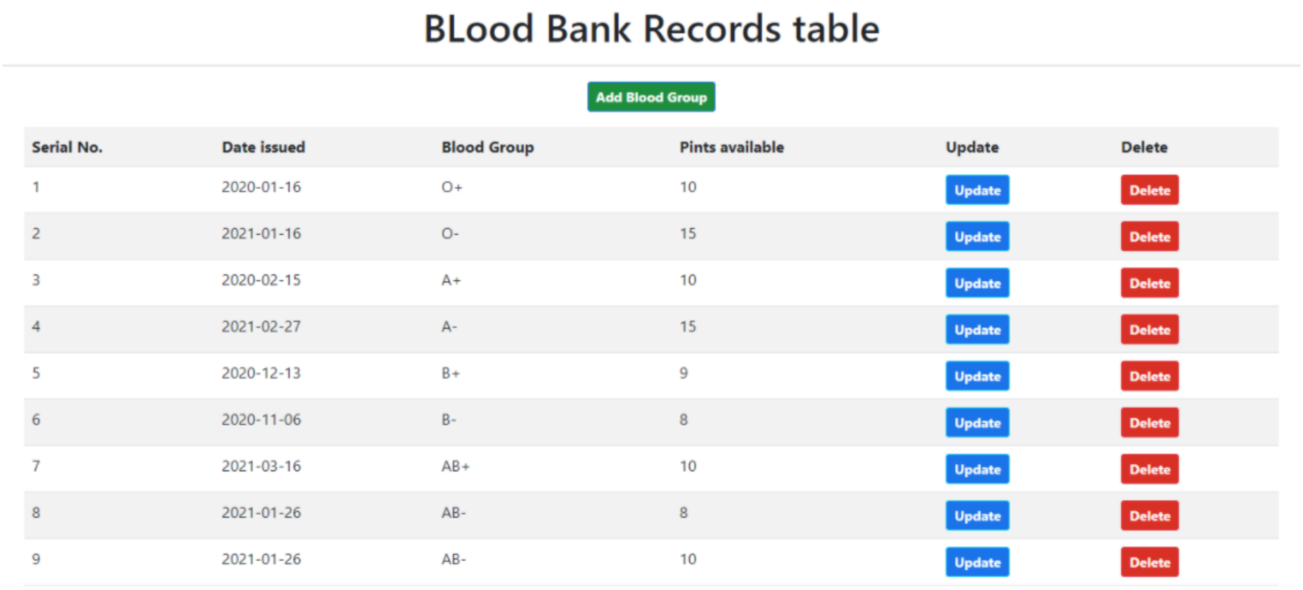
Tests Charges: 100.0

Tax: 50.0

Total Amount: 750.0

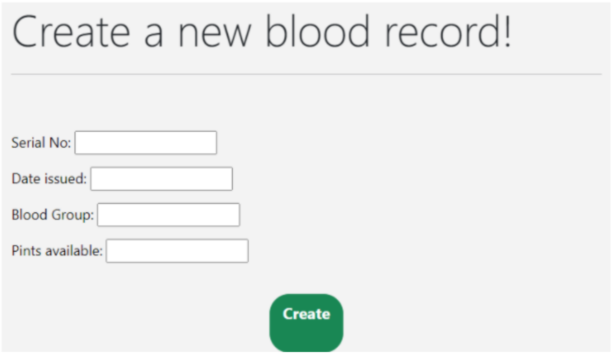


Are you sure you want to permanently remove 1 bill ?



BLood Bank Records table

Serial No.	Date issued	Blood Group	Pints available	Update	Delete
1	2020-01-16	O+	10	Update	Delete
2	2021-01-16	O-	15	Update	Delete
3	2020-02-15	A+	10	Update	Delete
4	2021-02-27	A-	15	Update	Delete
5	2020-12-13	B+	9	Update	Delete
6	2020-11-06	B-	8	Update	Delete
7	2021-03-16	AB+	10	Update	Delete
8	2021-01-26	AB-	8	Update	Delete
9	2021-01-26	AB-	10	Update	Delete



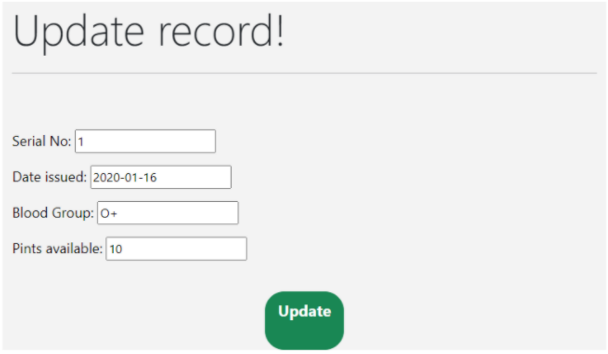
Create a new blood record!

Serial No:

Date issued:

Blood Group:

Pints available:



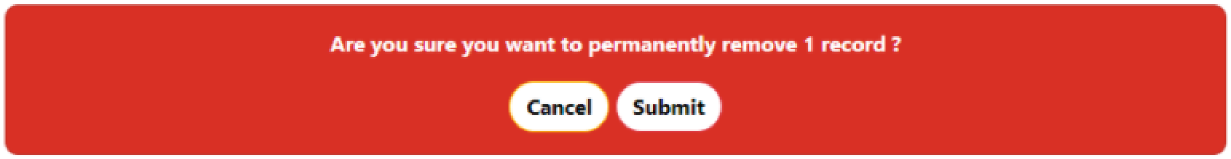
Update record!

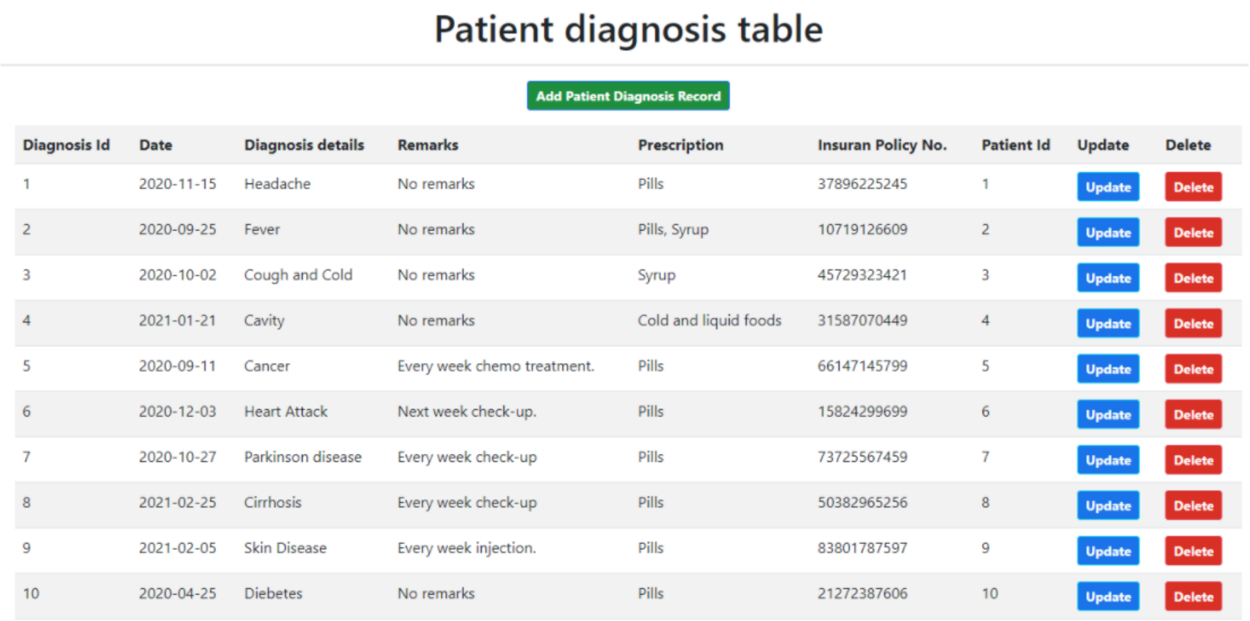
Serial No: 1

Date issued: 2020-01-16

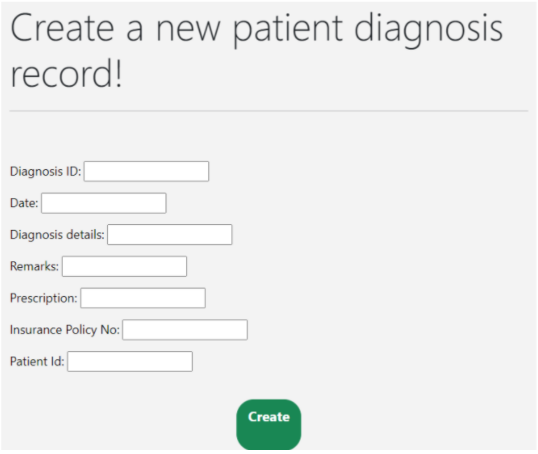
Blood Group: O+

Pints available: 10


Are you sure you want to permanently remove 1 record ?


Patient diagnosis table

Diagnosis Id	Date	Diagnosis details	Remarks	Prescription	Insuran Policy No.	Patient Id	Update	Delete
1	2020-11-15	Headache	No remarks	Pills	37896225245	1	Update	Delete
2	2020-09-25	Fever	No remarks	Pills, Syrup	10719126609	2	Update	Delete
3	2020-10-02	Cough and Cold	No remarks	Syrup	45729323421	3	Update	Delete
4	2021-01-21	Cavity	No remarks	Cold and liquid foods	31587070449	4	Update	Delete
5	2020-09-11	Cancer	Every week chemo treatment.	Pills	66147145799	5	Update	Delete
6	2020-12-03	Heart Attack	Next week check-up.	Pills	15824299699	6	Update	Delete
7	2020-10-27	Parkinson disease	Every week check-up	Pills	73725567459	7	Update	Delete
8	2021-02-25	Cirrhosis	Every week check-up	Pills	50382965256	8	Update	Delete
9	2021-02-05	Skin Disease	Every week injection.	Pills	83801787597	9	Update	Delete
10	2020-04-25	Diebetes	No remarks	Pills	21272387606	10	Update	Delete


Create a new patient diagnosis record!

Diagnosis ID:

Date:

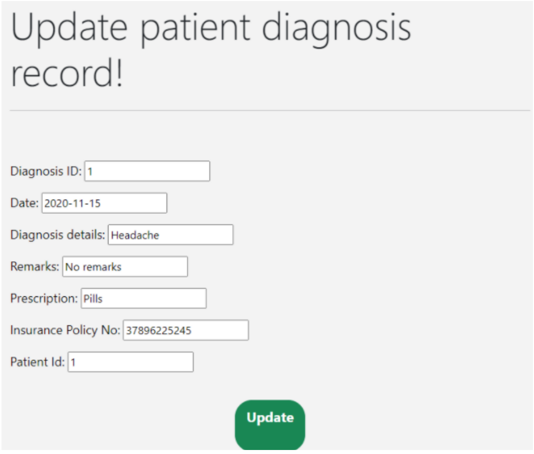
Diagnosis details:

Remarks:

Prescription:

Insurance Policy No:

Patient Id:


Update patient diagnosis record!

Diagnosis ID: 1

Date: 2020-11-15

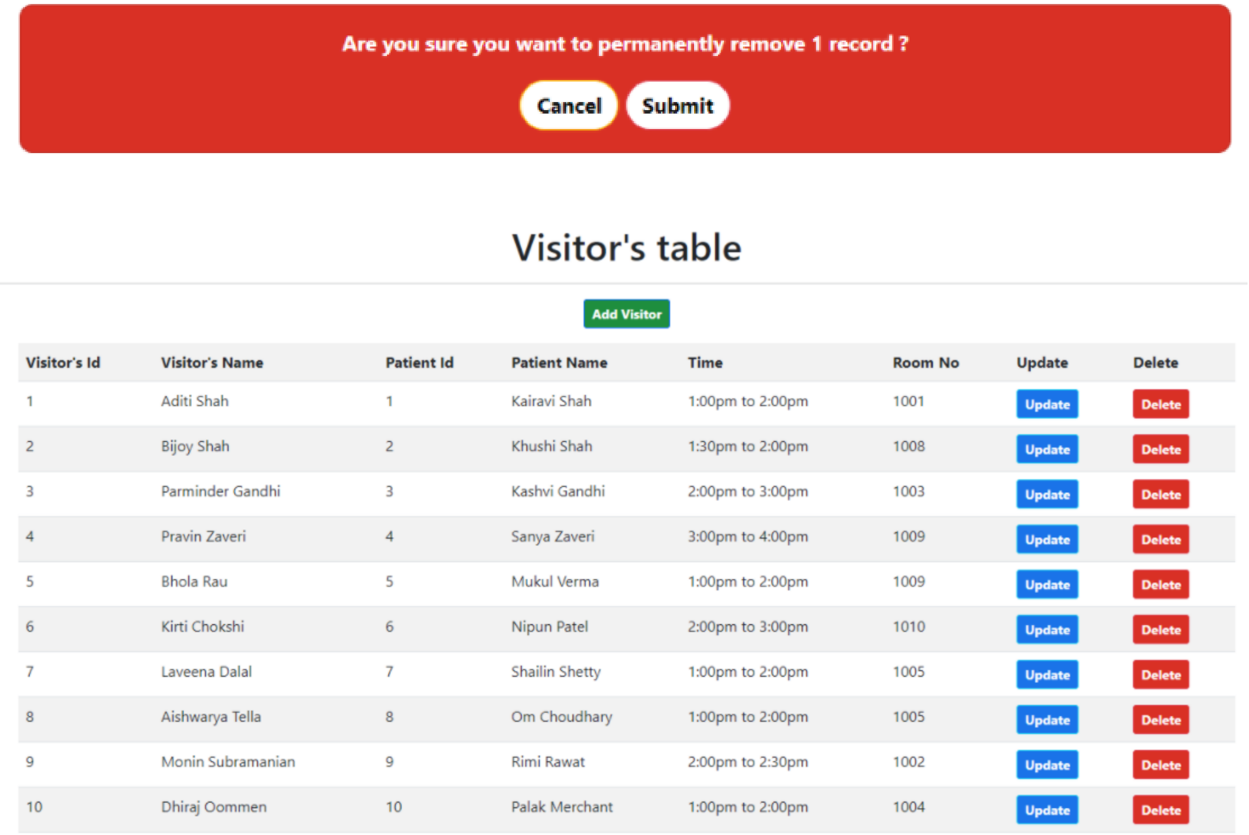
Diagnosis details: Headache

Remarks: No remarks

Prescription: Pills

Insurance Policy No: 37896225245

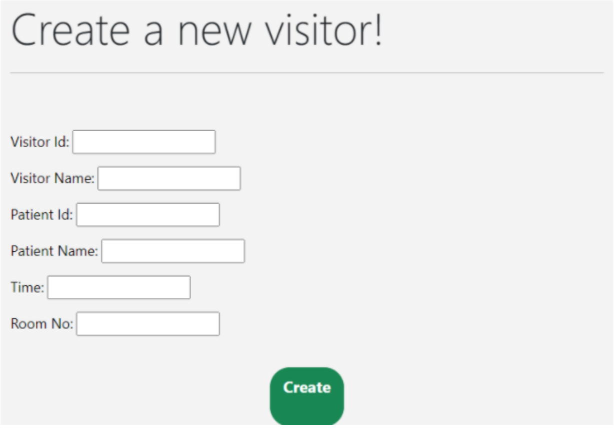
Patient Id: 1



Are you sure you want to permanently remove 1 record ?

Visitor's table

Visitor's Id	Visitor's Name	Patient Id	Patient Name	Time	Room No	Update	Delete
1	Aditi Shah	1	Kairavi Shah	1:00pm to 2:00pm	1001	Update	Delete
2	Bijoy Shah	2	Khushi Shah	1:30pm to 2:00pm	1008	Update	Delete
3	Parminder Gandhi	3	Kashvi Gandhi	2:00pm to 3:00pm	1003	Update	Delete
4	Pravin Zaveri	4	Sanya Zaveri	3:00pm to 4:00pm	1009	Update	Delete
5	Bhola Rau	5	Mukul Verma	1:00pm to 2:00pm	1009	Update	Delete
6	Kirti Chokshi	6	Nipun Patel	2:00pm to 3:00pm	1010	Update	Delete
7	Laveena Dalal	7	Shailin Shetty	1:00pm to 2:00pm	1005	Update	Delete
8	Aishwarya Tella	8	Om Choudhary	1:00pm to 2:00pm	1005	Update	Delete
9	Monin Subramanian	9	Rimi Rawat	2:00pm to 2:30pm	1002	Update	Delete
10	Dhiraj Oommen	10	Palak Merchant	1:00pm to 2:00pm	1004	Update	Delete



Create a new visitor!

Visitor Id:

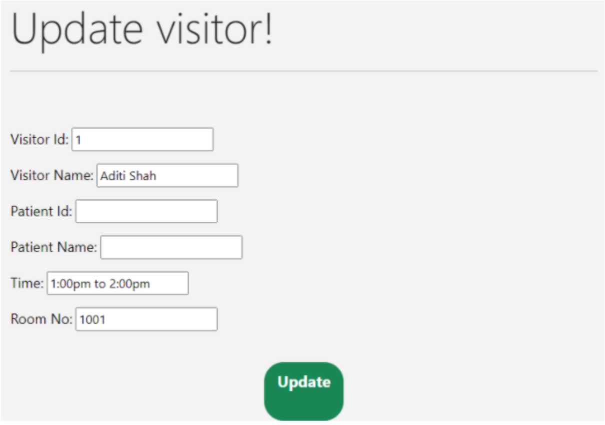
Visitor Name:

Patient Id:

Patient Name:

Time:

Room No:



Update visitor!

Visitor Id: 1

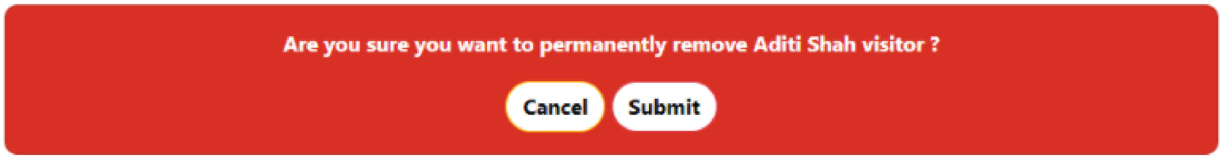
Visitor Name: Aditi Shah

Patient Id:

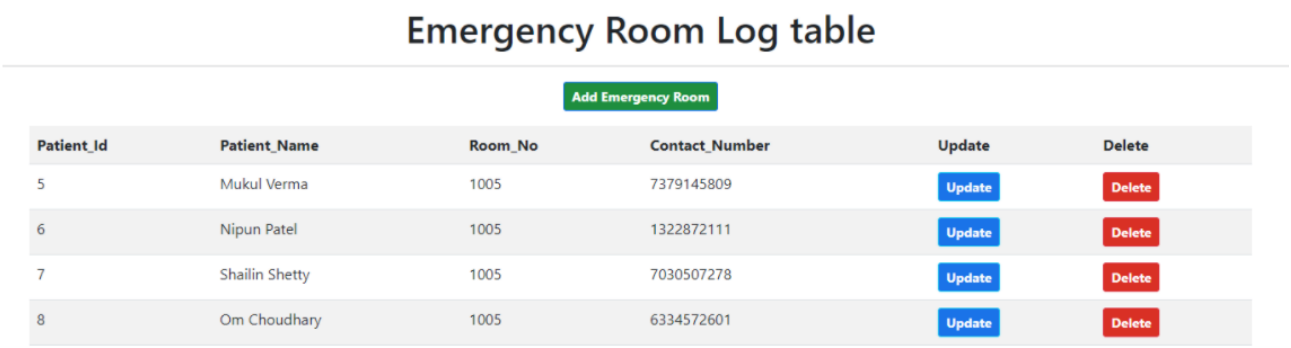
Patient Name:

Time: 1:00pm to 2:00pm

Room No: 1001

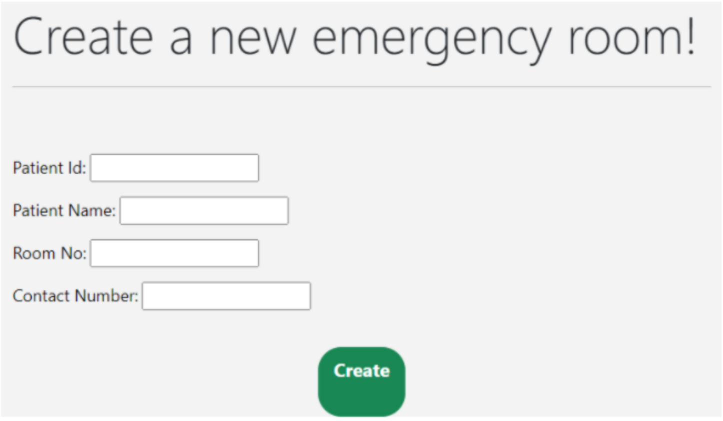


Are you sure you want to permanently remove Aditi Shah visitor ?



Emergency Room Log table

Patient_Id	Patient_Name	Room_No	Contact_Number	Update	Delete
5	Mukul Verma	1005	7379145809	Update	Delete
6	Nipun Patel	1005	1322872111	Update	Delete
7	Shailin Shetty	1005	7030507278	Update	Delete
8	Om Choudhary	1005	6334572601	Update	Delete



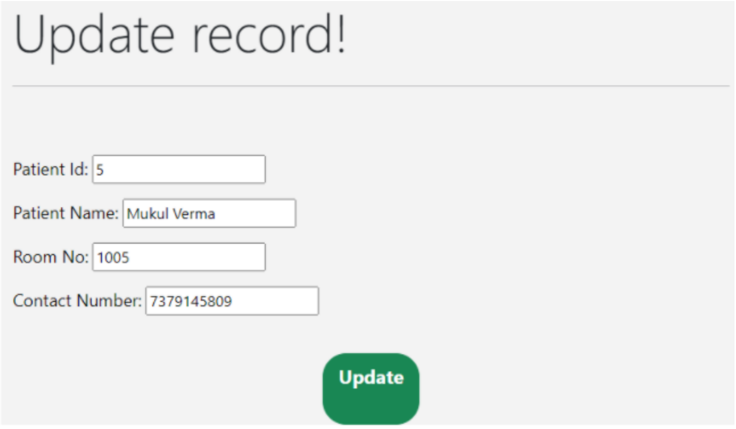
Create a new emergency room!

Patient Id:

Patient Name:

Room No:

Contact Number:



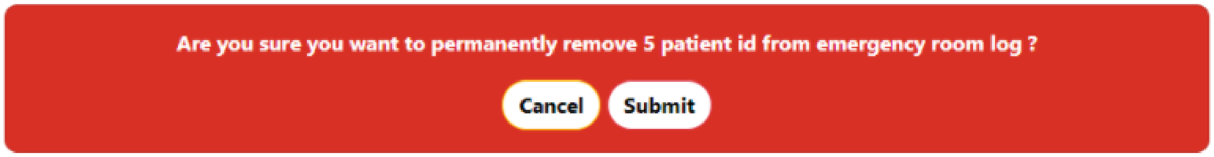
Update record!

Patient Id: 5

Patient Name: Mukul Verma

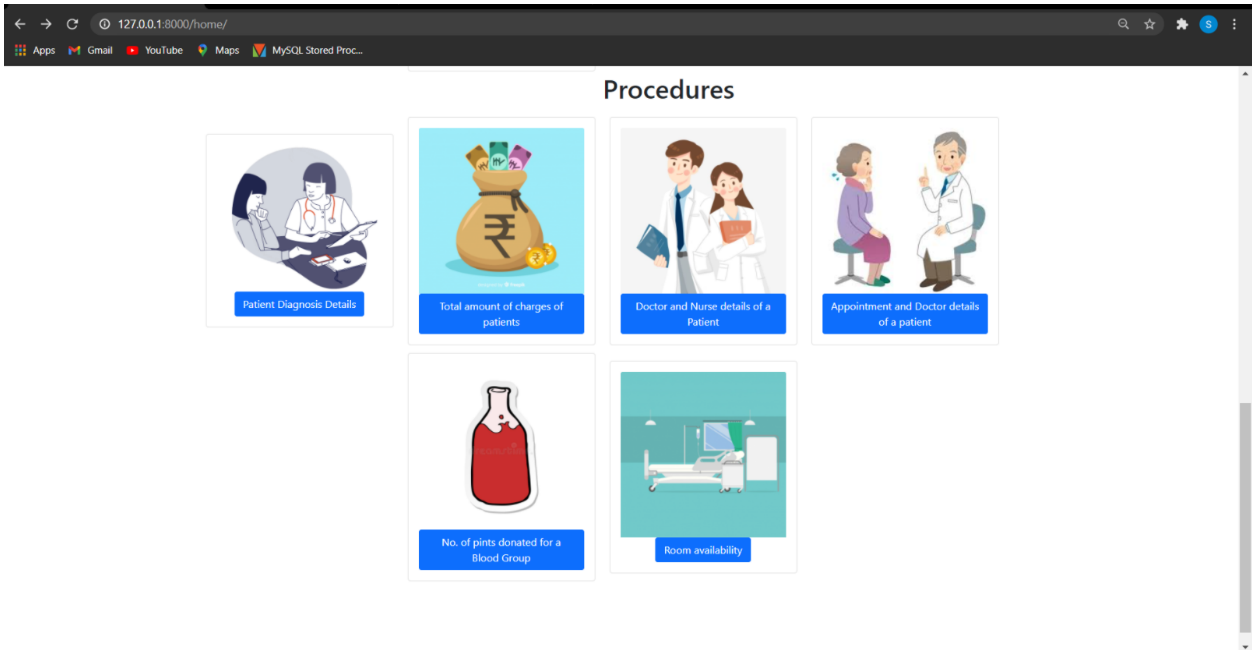
Room No: 1005

Contact Number: 7379145809



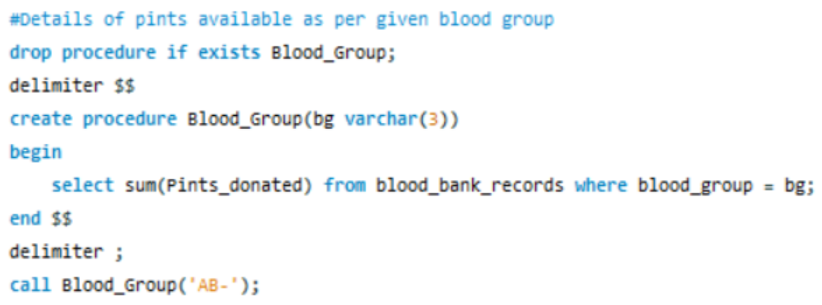
Are you sure you want to permanently remove 5 patient id from emergency room log ?

PROCEDURES

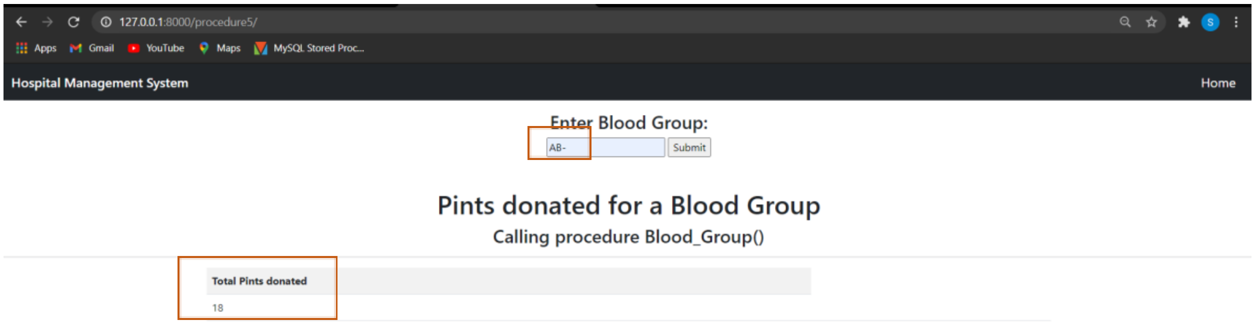

127.0.0.1:8000/home/
Apps
Gmail
YouTube
Maps
MySQL Stored Proc...
Procedures
Patient Diagnosis Details
Total amount of charges of patients
Doctor and Nurse details of a Patient
Appointment and Doctor details of a patient
No. of pints donated for a Blood Group
Room availability

1. Number of pints available for a particular type of blood group.

INPUT: bg (Blood group)
OUTPUT: Total number of pints donated of a particular type of blood group (bg).



```
#Details of pints available as per given blood group
drop procedure if exists Blood_Group;
delimiter $$
create procedure Blood_Group(bg varchar(3))
begin
    select sum(Pints_donated) from blood_bank_records where blood_group = bg;
end $$
delimiter ;
call Blood_Group('AB-');
```



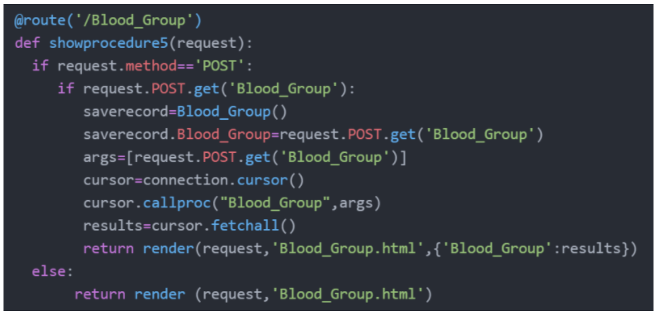
Enter Blood Group:

AB- Submit

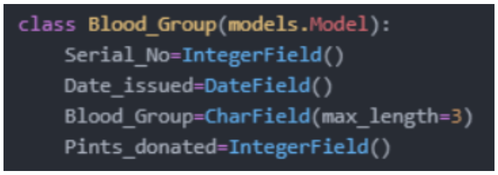
Pints donated for a Blood Group

Calling procedure Blood_Group()

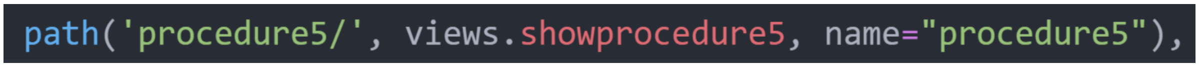
Total Pints donated
18



```
@route('/Blood_Group')
def showprocedure5(request):
  if request.method=='POST':
     if request.POST.get('Blood_Group'):
        saverecord=Blood_Group()
        saverecord.Blood_Group=request.POST.get('Blood_Group')
        args=[request.POST.get('Blood_Group')]
        cursor=connection.cursor()
        cursor.callproc("Blood_Group",args)
        results=cursor.fetchall()
        return render(request,'Blood_Group.html',{'Blood_Group':results})
  else:
       return render (request,'Blood_Group.html')
```



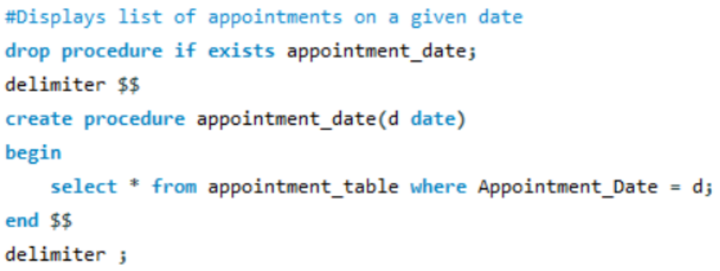
```
class Blood_Group(models.Model):
     Serial_No=IntegerField()
     Date_issued=DateField()
     Blood_Group=CharField(max_length=3)
     Pints_donated=IntegerField()
```



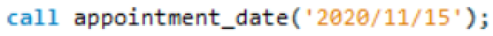
```
path('procedure5/', views.showprocedure5, name="procedure5"),
```

2. *All the records of appointment table for a particular dat.*

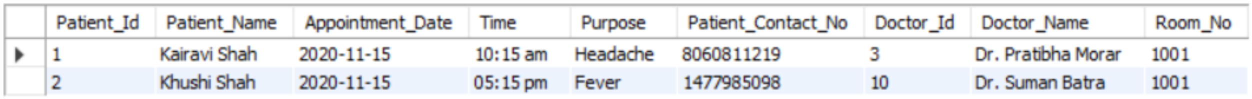
INPUT: d (date)
OUTPUT: A table with records of appointments where the input date is the same as appointment_date



```
#Displays list of appointments on a given date
drop procedure if exists appointment_date;
delimiter $$
create procedure appointment_date(d date)
begin
    select * from appointment_table where Appointment_Date = d;
end $$
delimiter ;
```



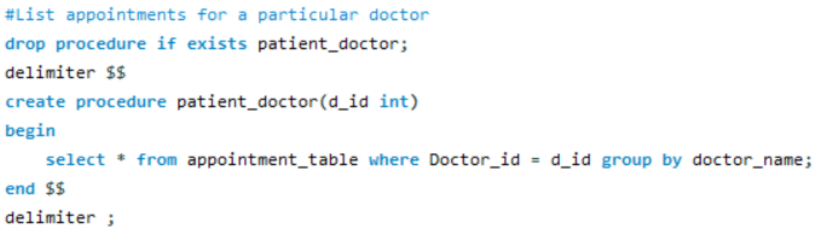
```
call appointment_date('2020/11/15');
```



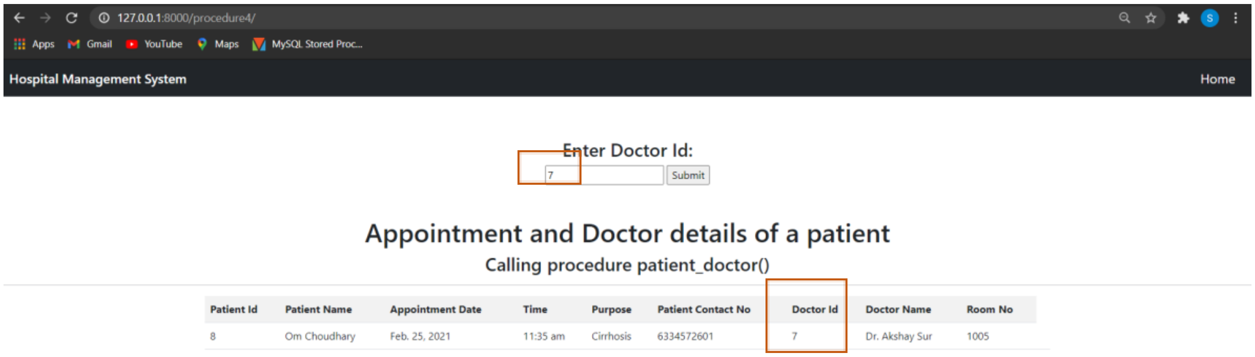
Patient_Id	Patient_Name	Appointment_Date	Time	Purpose	Patient_Contact_No	Doctor_Id	Doctor_Name	Room_No
1	Kairavi Shah	2020-11-15	10:15 am	Headache	8060811219	3	Dr. Pratibha Morar	1001
2	Khushi Shah	2020-11-15	05:15 pm	Fever	1477985098	10	Dr. Suman Batra	1001

3. A list of appointments for specific doctors.

INPUT: d_id (doctor id)
OUTPUT: A table with records of appointments where the input doctor_id is same as d_id.



```
#List appointments for a particular doctor
drop procedure if exists patient_doctor;
delimiter $$
create procedure patient_doctor(d_id int)
begin
    select * from appointment_table where Doctor_id = d_id group by doctor_name;
end $$
delimiter ;
```



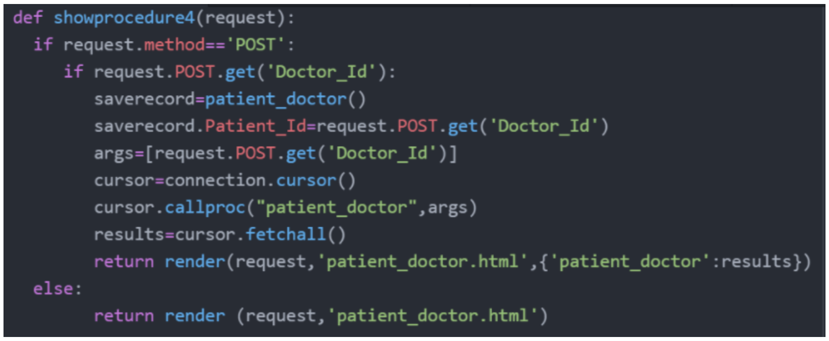
Enter Doctor Id:

7 Submit

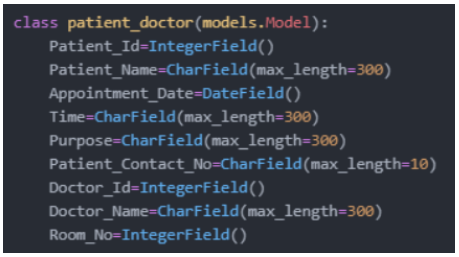
Appointment and Doctor details of a patient

Calling procedure patient_doctor()

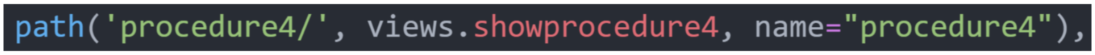
Patient Id	Patient Name	Appointment Date	Time	Purpose	Patient Contact No	Doctor Id	Doctor Name	Room No
8	Om Choudhary	Feb. 25, 2021	11:35 am	Cirrhosis	6334572601	7	Dr. Akshay Sur	1005



```
def showprocedure4(request):
  if request.method=='POST':
     if request.POST.get('Doctor_Id'):
        saverecord=patient_doctor()
        saverecord.Patient_Id=request.POST.get('Doctor_Id')
        args=[request.POST.get('Doctor_Id')]
        cursor=connection.cursor()
        cursor.callproc("patient_doctor",args)
        results=cursor.fetchall()
        return render(request,'patient_doctor.html',{'patient_doctor':results})
  else:
        return render (request,'patient_doctor.html')
```



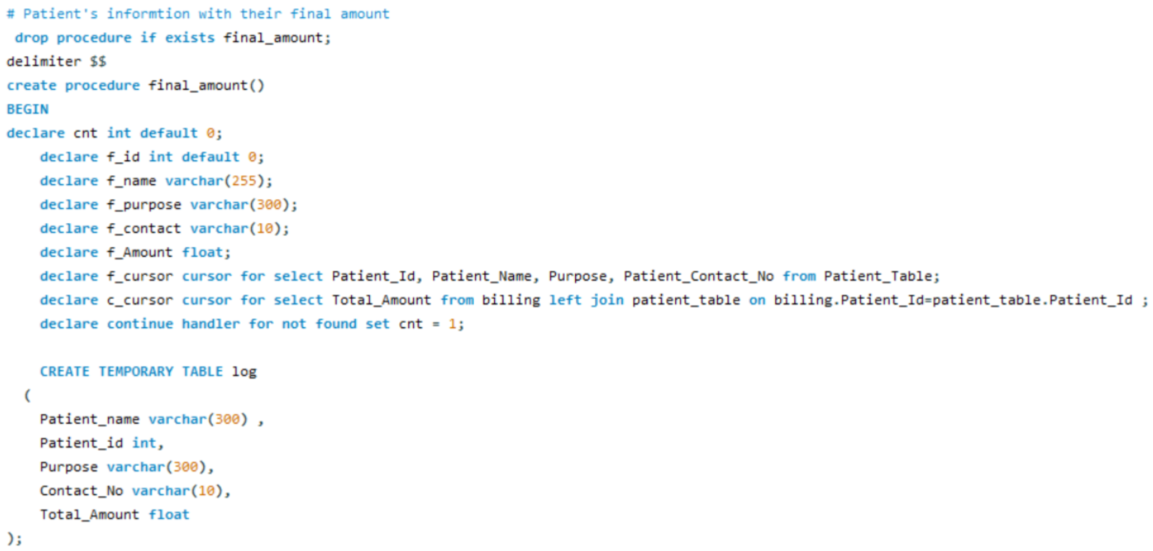
```
class patient_doctor(models.Model):
    Patient_Id=IntegerField()
    Patient_Name=CharField(max_length=300)
    Appointment_Date=DateField()
    Time=CharField(max_length=300)
    Purpose=CharField(max_length=300)
    Patient_Contact_No=CharField(max_length=10)
    Doctor_Id=IntegerField()
    Doctor_Name=CharField(max_length=300)
    Room_No=IntegerField()
```



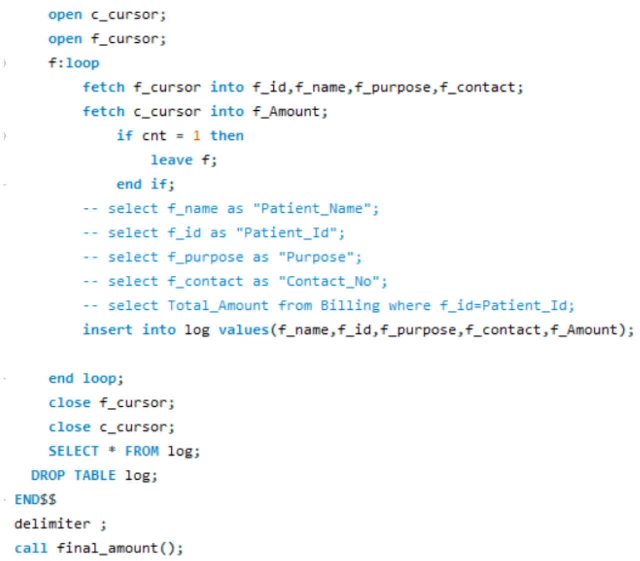
```
path('procedure4/', views.showprocedure4, name="procedure4"),
```

4. List of the final amount in the bill for patients after their discharge.

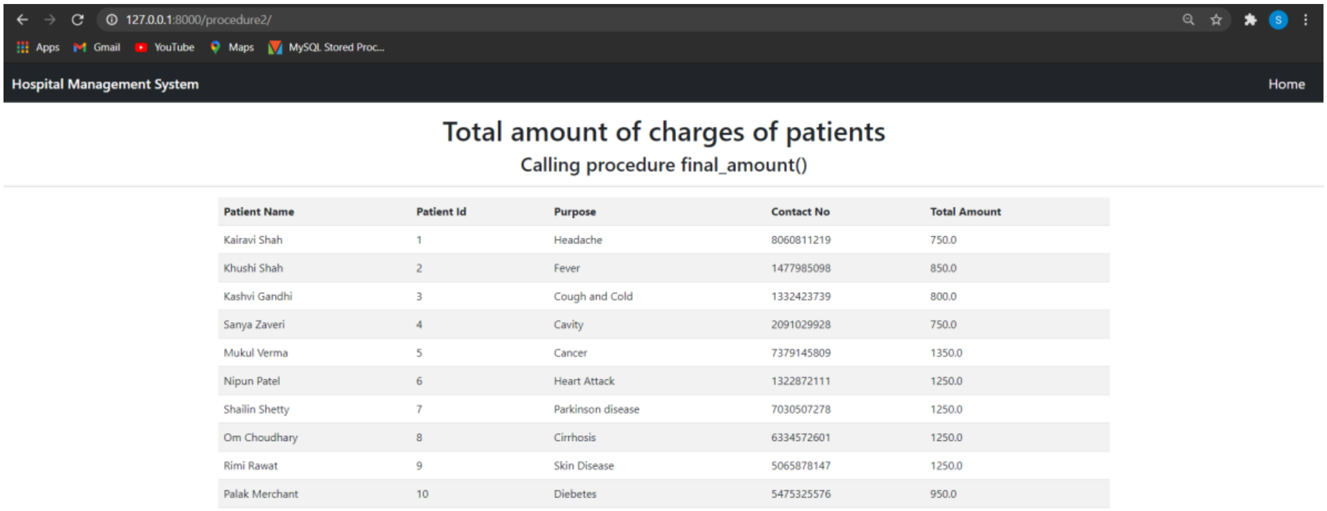
OUTPUT: A table with records of patient's information (id, name, purpose, contact number) and the final amount of charges in their bill.



```
# Patient's informtion with their final amount
 drop procedure if exists final_amount;
delimiter $$
create procedure final_amount()
BEGIN
declare cnt int default 0;
    declare f_id int default 0;
    declare f_name varchar(255);
    declare f_purpose varchar(300);
    declare f_contact varchar(10);
    declare f_Amount float;
    declare f_cursor cursor for select Patient_Id, Patient_Name, Purpose, Patient_Contact_No from Patient_Table;
    declare c_cursor cursor for select Total_Amount from billing left join patient_table on billing.Patient_Id=patient_table.Patient_Id ;
    declare continue handler for not found set cnt = 1;

    CREATE TEMPORARY TABLE log
  (
    Patient_name varchar(300) ,
    Patient_id int,
    Purpose varchar(300),
    Contact_No varchar(10),
    Total_Amount float
);
```



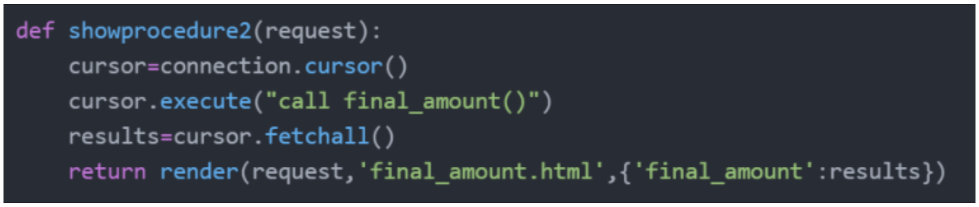
```
    open c_cursor;
    open f_cursor;
    f:loop
        fetch f_cursor into f_id,f_name,f_purpose,f_contact;
        fetch c_cursor into f_Amount;
            if cnt = 1 then
                leave f;
            end if;
        -- select f_name as "Patient_Name";
        -- select f_id as "Patient_Id";
        -- select f_purpose as "Purpose";
        -- select f_contact as "Contact_No";
        -- select Total_Amount from Billing where f_id=Patient_Id;
        insert into log values(f_name,f_id,f_purpose,f_contact,f_Amount);

    end loop;
    close f_cursor;
    close c_cursor;
    SELECT * FROM log;
  DROP TABLE log;
END$$
delimiter ;
call final_amount();
```



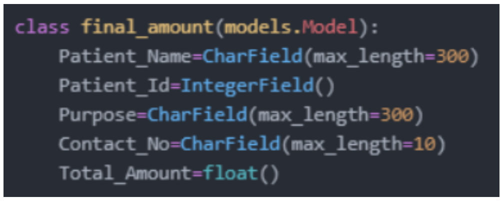
Total amount of charges of patients

Calling procedure final_amount()

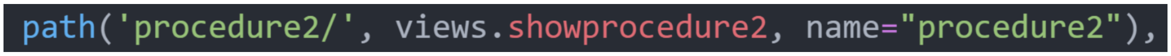
Patient Name	Patient Id	Purpose	Contact No	Total Amount
Kairavi Shah	1	Headache	8060811219	750.0
Khushi Shah	2	Fever	1477985098	850.0
Kashvi Gandhi	3	Cough and Cold	1332423739	800.0
Sanya Zaveri	4	Cavity	2091029928	750.0
Mukul Verma	5	Cancer	7379145809	1350.0
Nipun Patel	6	Heart Attack	1322872111	1250.0
Shailin Shetty	7	Parkinson disease	7030507278	1250.0
Om Choudhary	8	Cirrhosis	6334572601	1250.0
Rimi Rawat	9	Skin Disease	5065878147	1250.0
Palak Merchant	10	Diebetes	5475325576	950.0



```
def showprocedure2(request):
    cursor=connection.cursor()
    cursor.execute("call final_amount()")
    results=cursor.fetchall()
    return render(request,'final_amount.html',{'final_amount':results})
```



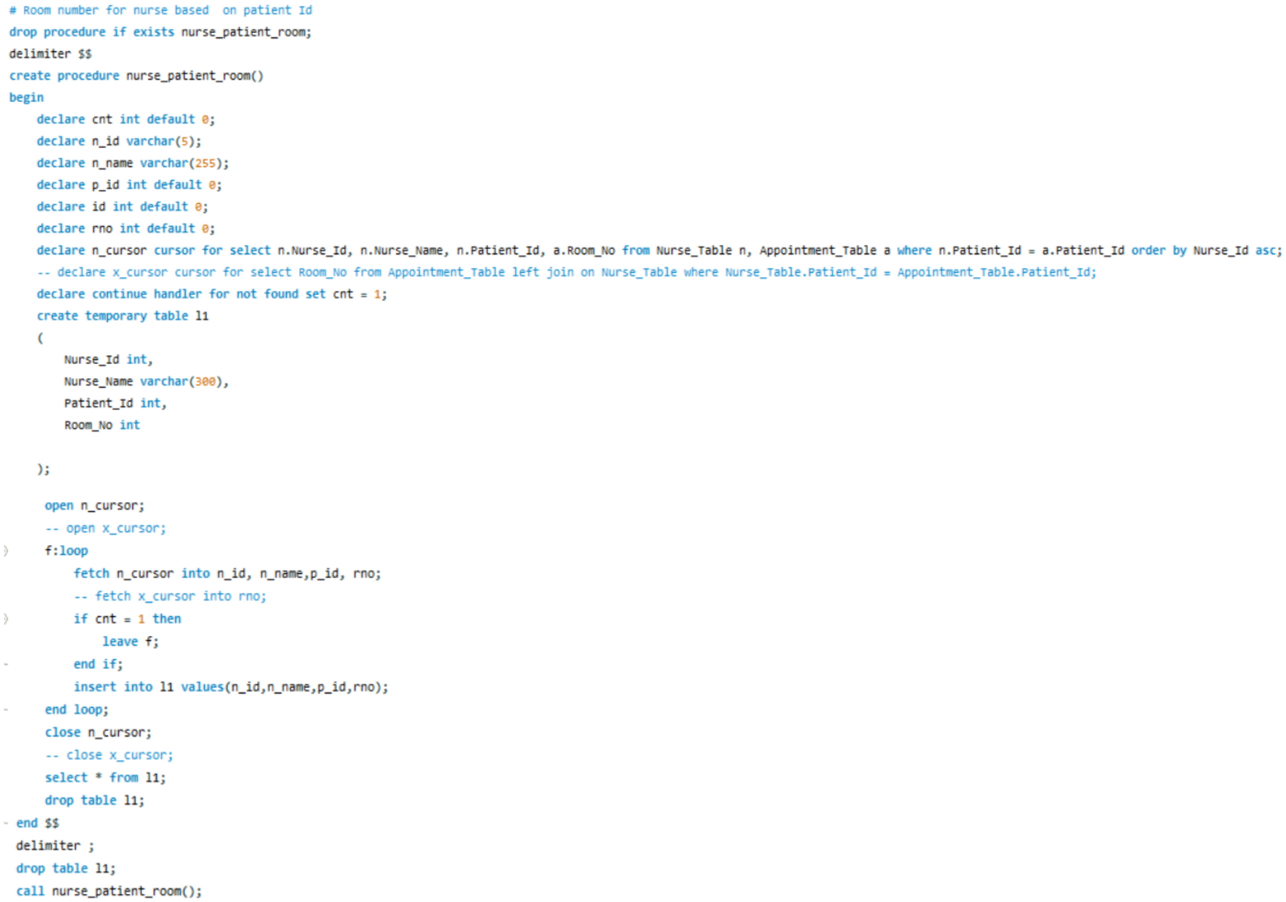
```
class final_amount(models.Model):
    Patient_Name=CharField(max_length=300)
    Patient_Id=IntegerField()
    Purpose=CharField(max_length=300)
    Contact_No=CharField(max_length=10)
    Total_Amount=float()
```



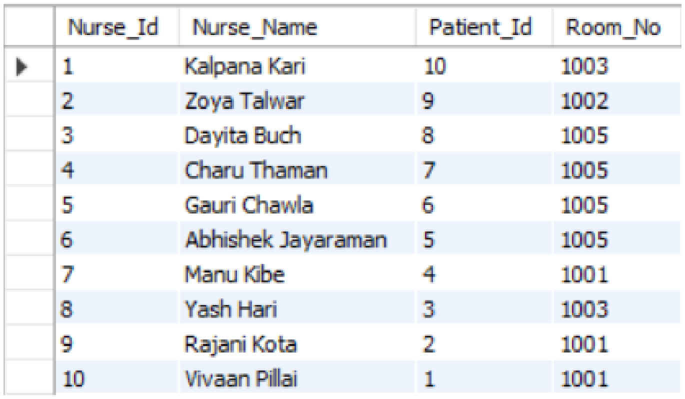
```
path('procedure2/', views.showprocedure2, name="procedure2"),
```

5. A list for identifying the nurses allotted to all the patients and their allotted room numbers.

OUTPUT: A table with records of nurse's id and name, patient's name and the room no allotted to them.



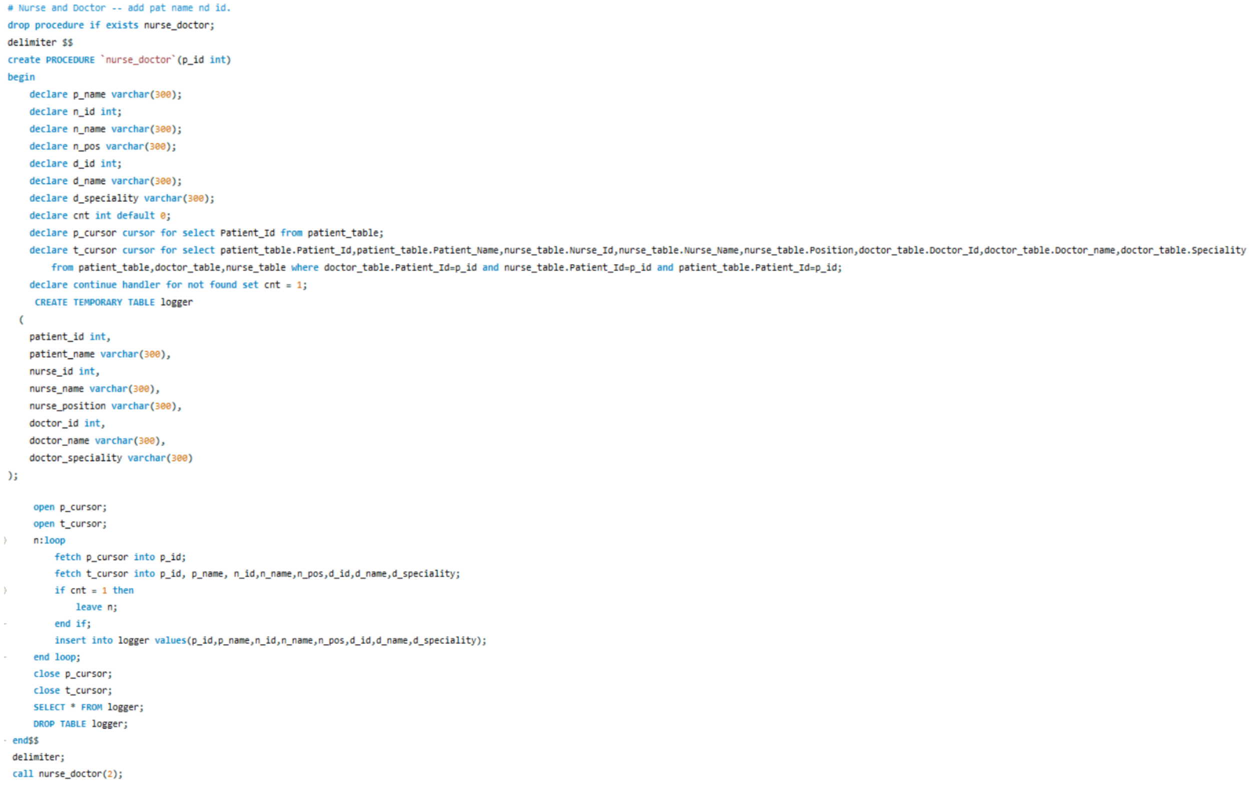
```
# Room number for nurse based  on patient Id
drop procedure if exists nurse_patient_room;
delimiter $$
create procedure nurse_patient_room()
begin
    declare cnt int default 0;
    declare n_id varchar(5);
    declare n_name varchar(255);
    declare p_id int default 0;
    declare id int default 0;
    declare rno int default 0;
    declare n_cursor cursor for select n.Nurse_Id, n.Nurse_Name, n.Patient_Id, a.Room_No from Nurse_Table n, Appointment_Table a where n.Patient_Id = a.Patient_Id order by Nurse_Id asc;
    -- declare x_cursor cursor for select Room_No from Appointment_Table left join on Nurse_Table where Nurse_Table.Patient_Id = Appointment_Table.Patient_Id;
    declare continue handler for not found set cnt = 1;
    create temporary table l1
    (
        Nurse_Id int,
        Nurse_Name varchar(300),
        Patient_Id int,
        Room_No int

    );

     open n_cursor;
     -- open x_cursor;
     f:loop
         fetch n_cursor into n_id, n_name,p_id, rno;
         -- fetch x_cursor into rno;
         if cnt = 1 then
             leave f;
         end if;
         insert into l1 values(n_id,n_name,p_id,rno);
     end loop;
     close n_cursor;
     -- close x_cursor;
     select * from l1;
     drop table l1;
 end $$
 delimiter ;
 drop table l1;
 call nurse_patient_room();
```



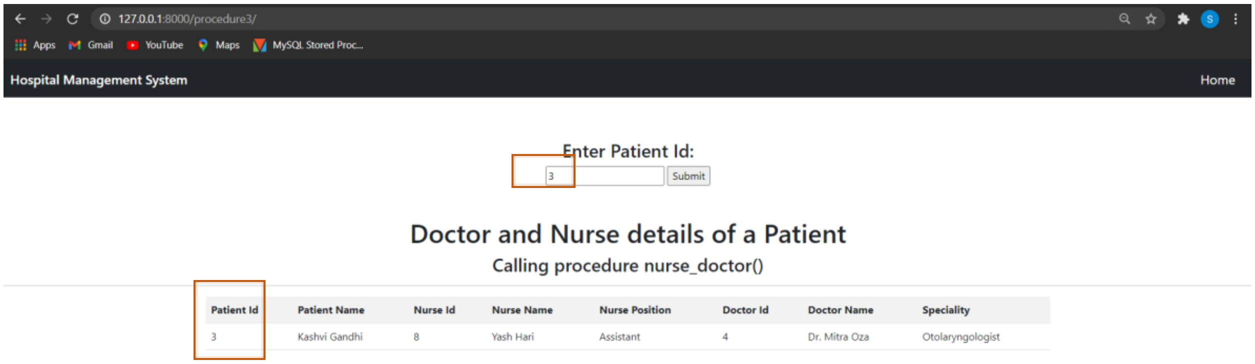
Nurse_Id	Nurse_Name	Patient_Id	Room_No
1	Kalpana Kari	10	1003
2	Zoya Talwar	9	1002
3	Dayita Buch	8	1005
4	Charu Thaman	7	1005
5	Gauri Chawla	6	1005
6	Abhishek Jayaraman	5	1005
7	Manu Kibe	4	1001
8	Yash Hari	3	1003
9	Rajani Kota	2	1001
10	Vivaan Pillai	1	1001

6. A list for identifying the nurse allocated for each doctor for a particular patient.

INPUT: p_id (patient id)
OUTPUT: A table with records of information of nurse and doctor for the particular patient.



```
# Nurse and Doctor -- add pat name nd id.
drop procedure if exists nurse_doctor;
delimiter $$
create PROCEDURE `nurse_doctor`(p_id int)
begin
    declare p_name varchar(300);
    declare n_id int;
    declare n_name varchar(300);
    declare n_pos varchar(300);
    declare d_id int;
    declare d_name varchar(300);
    declare d_speciality varchar(300);
    declare cnt int default 0;
    declare p_cursor cursor for select Patient_Id from patient_table;
    declare t_cursor cursor for select patient_table.Patient_Id,patient_table.Patient_Name,nurse_table.Nurse_Id,nurse_table.Nurse_Name,nurse_table.Position,doctor_table.Doctor_Id,doctor_table.Doctor_name,doctor_table.Speciality
        from patient_table,doctor_table,nurse_table where doctor_table.Patient_Id=p_id and nurse_table.Patient_Id=p_id and patient_table.Patient_Id=p_id;
    declare continue handler for not found set cnt = 1;
     CREATE TEMPORARY TABLE logger
  (
    patient_id int,
    patient_name varchar(300),
    nurse_id int,
    nurse_name varchar(300),
    nurse_position varchar(300),
    doctor_id int,
    doctor_name varchar(300),
    doctor_speciality varchar(300)
);

     open p_cursor;
     open t_cursor;
     n:loop
         fetch p_cursor into p_id;
         fetch t_cursor into p_id, p_name, n_id,n_name,n_pos,d_id,d_name,d_speciality;
         if cnt = 1 then
             leave n;
         end if;
         insert into logger values(p_id,p_name,n_id,n_name,n_pos,d_id,d_name,d_speciality);
     end loop;
     close p_cursor;
     close t_cursor;
     SELECT * FROM logger;
     DROP TABLE logger;
 end$$
 delimiter;
 call nurse_doctor(2);
```



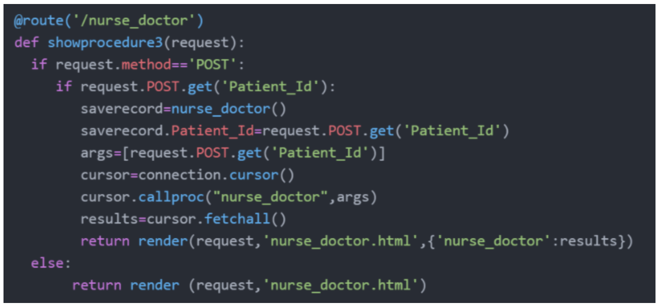
Enter Patient Id:

3

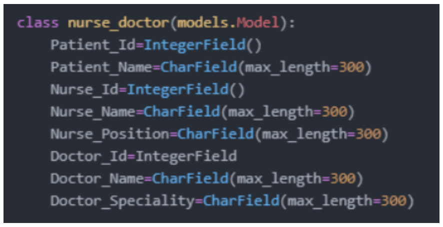
Doctor and Nurse details of a Patient

Calling procedure nurse_doctor()

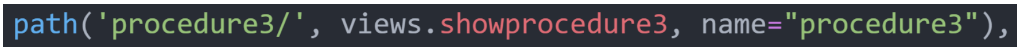
Patient Id	Patient Name	Nurse Id	Nurse Name	Nurse Position	Doctor Id	Doctor Name	Speciality
3	Kashvi Gandhi	8	Yash Hari	Assistant	4	Dr. Mitra Oza	Otolaryngologist



```
@route('/nurse_doctor')
def showprocedure3(request):
  if request.method=='POST':
     if request.POST.get('Patient_Id'):
        saverecord=nurse_doctor()
        saverecord.Patient_Id=request.POST.get('Patient_Id')
        args=[request.POST.get('Patient_Id')]
        cursor=connection.cursor()
        cursor.callproc("nurse_doctor",args)
        results=cursor.fetchall()
        return render(request,'nurse_doctor.html',{'nurse_doctor':results})
  else:
       return render (request,'nurse_doctor.html')
```



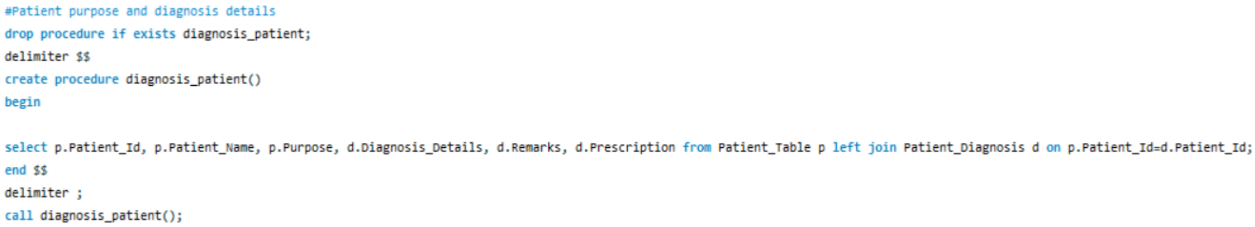
```
class nurse_doctor(models.Model):
    Patient_Id=IntegerField()
    Patient_Name=CharField(max_length=300)
    Nurse_Id=IntegerField()
    Nurse_Name=CharField(max_length=300)
    Nurse_Position=CharField(max_length=300)
    Doctor_Id=IntegerField
    Doctor_Name=CharField(max_length=300)
    Doctor_Speciality=CharField(max_length=300)
```



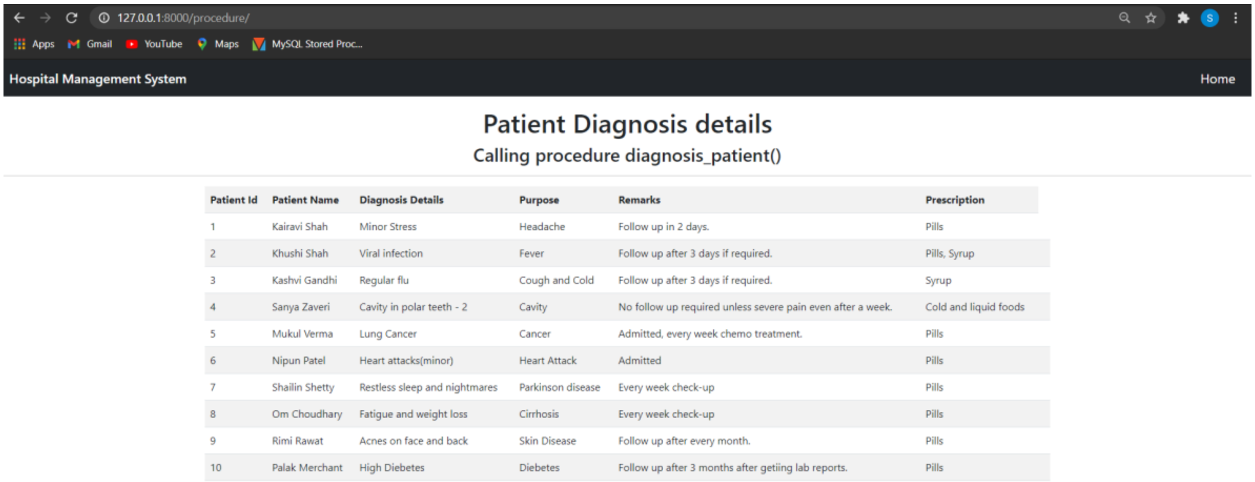
```
path('procedure3/', views.showprocedure3, name="procedure3"),
```

7. A list of diagnosis details of the patients.

OUTPUT: A table with records of patient's purpose and the diagnosis details.



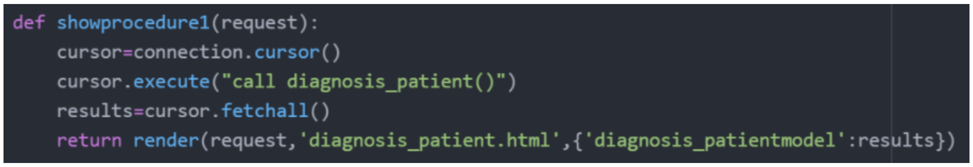
```
#Patient purpose and diagnosis details
drop procedure if exists diagnosis_patient;
delimiter $$
create procedure diagnosis_patient()
begin

select p.Patient_Id, p.Patient_Name, p.Purpose, d.Diagnosis_Details, d.Remarks, d.Prescription from Patient_Table p left join Patient_Diagnosis d on p.Patient_Id=d.Patient_Id;
end $$
delimiter ;
call diagnosis_patient();
```



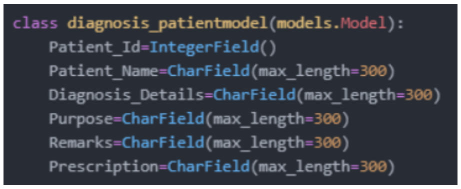
Patient Diagnosis details

Calling procedure diagnosis_patient()

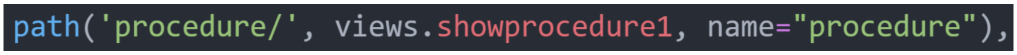
Patient Id	Patient Name	Diagnosis Details	Purpose	Remarks	Prescription
1	Kairavi Shah	Minor Stress	Headache	Follow up in 2 days.	Pills
2	Khushi Shah	Viral infection	Fever	Follow up after 3 days if required.	Pills, Syrup
3	Kashvi Gandhi	Regular flu	Cough and Cold	Follow up after 3 days if required.	Syrup
4	Sanya Zaveri	Cavity in polar teeth - 2	Cavity	No follow up required unless severe pain even after a week.	Cold and liquid foods
5	Mukul Verma	Lung Cancer	Cancer	Admitted, every week chemo treatment.	Pills
6	Nipun Patel	Heart attacks(minor)	Heart Attack	Admitted	Pills
7	Shailin Shetty	Restless sleep and nightmares	Parkinson disease	Every week check-up	Pills
8	Om Choudhary	Fatigue and weight loss	Cirrhosis	Every week check-up	Pills
9	Rimi Rawat	Acnes on face and back	Skin Disease	Follow up after every month.	Pills
10	Palak Merchant	High Diebetes	Diebetes	Follow up after 3 months after getiing lab reports.	Pills



```
def showprocedure1(request):
    cursor=connection.cursor()
    cursor.execute("call diagnosis_patient()")
    results=cursor.fetchall()
    return render(request,'diagnosis_patient.html',{'diagnosis_patientmodel':results})
```



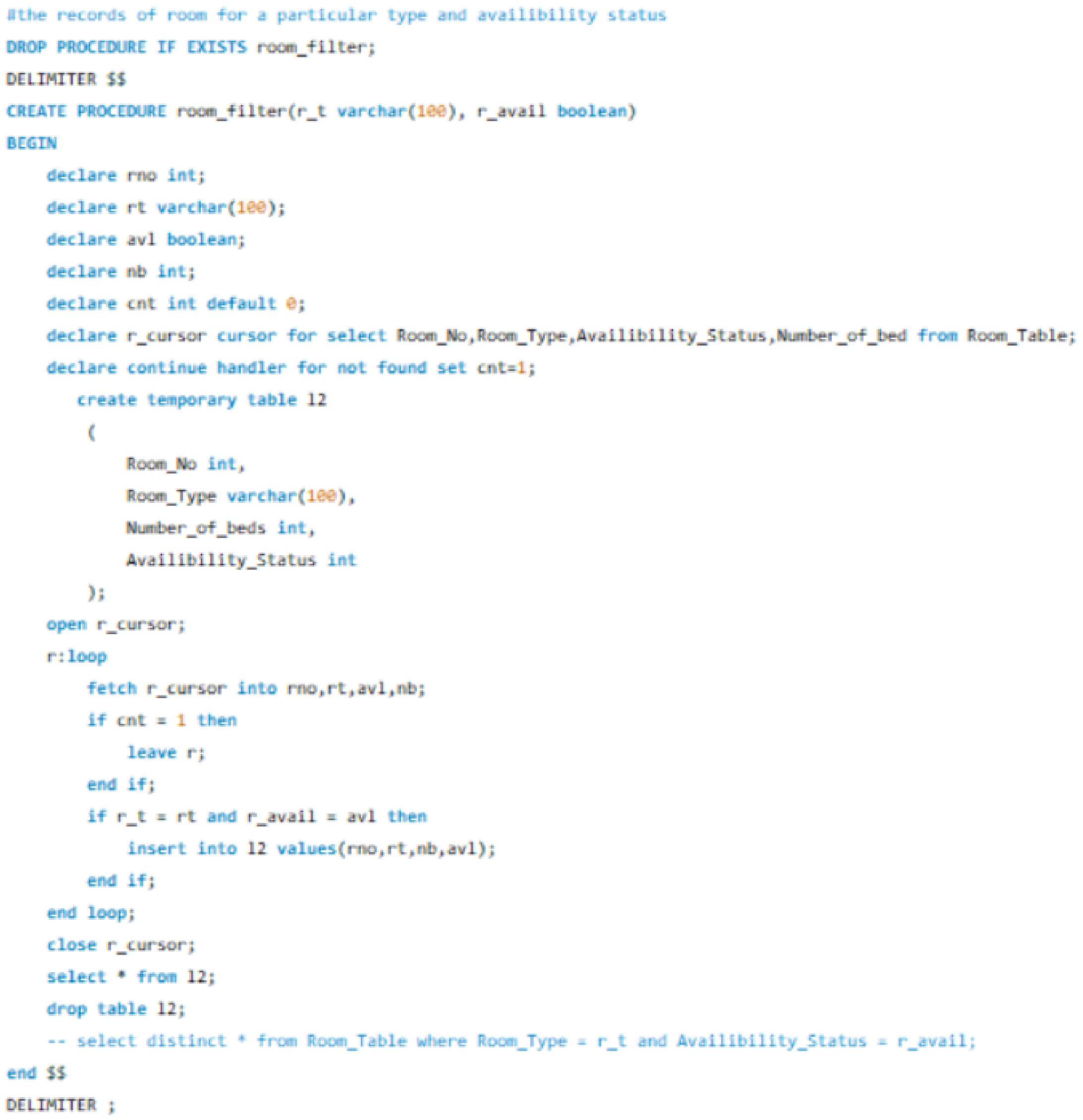
```
class diagnosis_patientmodel(models.Model):
    Patient_Id=IntegerField()
    Patient_Name=CharField(max_length=300)
    Diagnosis_Details=CharField(max_length=300)
    Purpose=CharField(max_length=300)
    Remarks=CharField(max_length=300)
    Prescription=CharField(max_length=300)
```



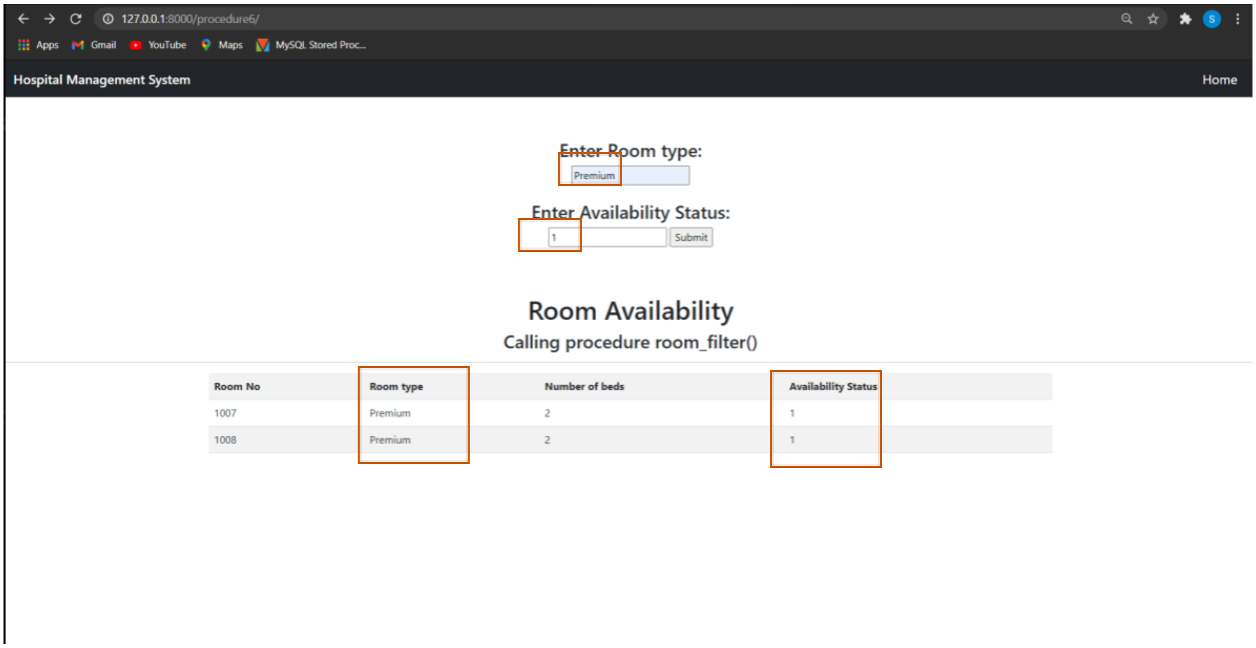
```
path('procedure/', views.showprocedure1, name="procedure"),
```

8. A list of rooms according to the entered room and type and availability status.

INPUT: r_t (room type), r_avail (availability status)
OUTPUT: A table with records of appointments where the input date is equal to the Appointment_Date



```
#the records of room for a particular type and availibility status
DROP PROCEDURE IF EXISTS room_filter;
DELIMITER $$
CREATE PROCEDURE room_filter(r_t varchar(100), r_avail boolean)
BEGIN
    declare rno int;
    declare rt varchar(100);
    declare avl boolean;
    declare nb int;
    declare cnt int default 0;
    declare r_cursor cursor for select Room_No,Room_Type,Availibility_Status,Number_of_bed from Room_Table;
    declare continue handler for not found set cnt=1;
       create temporary table l2
        (
            Room_No int,
            Room_Type varchar(100),
            Number_of_beds int,
            Availibility_Status int
        );
    open r_cursor;
    r:loop
        fetch r_cursor into rno,rt,avl,nb;
        if cnt = 1 then
            leave r;
        end if;
        if r_t = rt and r_avail = avl then
            insert into l2 values(rno,rt,nb,avl);
        end if;
    end loop;
    close r_cursor;
    select * from l2;
    drop table l2;
    -- select distinct * from Room_Table where Room_Type = r_t and Availibility_Status = r_avail;
end $$
DELIMITER ;
```



Enter Room type:

Premium

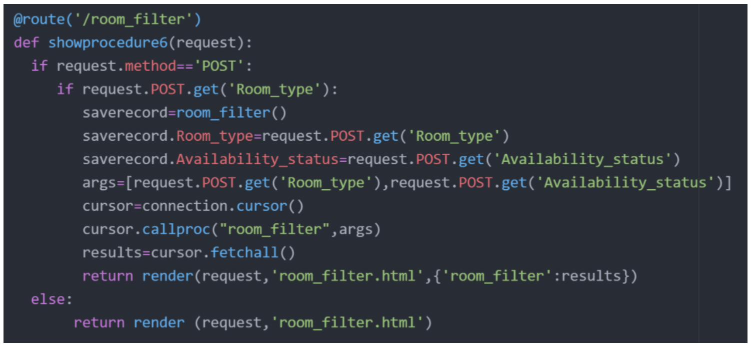
Enter Availability Status:

1

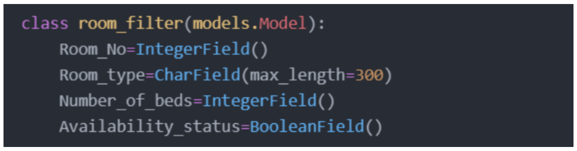
Room Availability

Calling procedure room_filter()

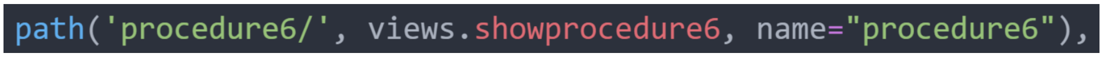
Room No	Room type	Number of beds	Availability Status
1007	Premium	2	1
1008	Premium	2	1



```
@route('/room_filter')
def showprocedure6(request):
  if request.method=='POST':
     if request.POST.get('Room_type'):
        saverecord=room_filter()
        saverecord.Room_type=request.POST.get('Room_type')
        saverecord.Availability_status=request.POST.get('Availability_status')
        args=[request.POST.get('Room_type'),request.POST.get('Availability_status')]
        cursor=connection.cursor()
        cursor.callproc("room_filter",args)
        results=cursor.fetchall()
        return render(request,'room_filter.html',{'room_filter':results})
  else:
       return render (request,'room_filter.html')
```

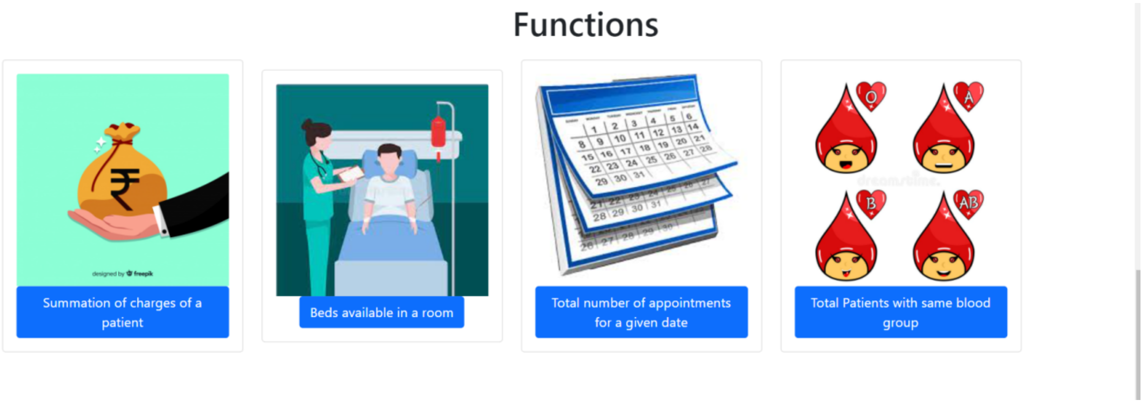


```
class room_filter(models.Model):
    Room_No=IntegerField()
    Room_type=CharField(max_length=300)
    Number_of_beds=IntegerField()
    Availability_status=BooleanField()
```

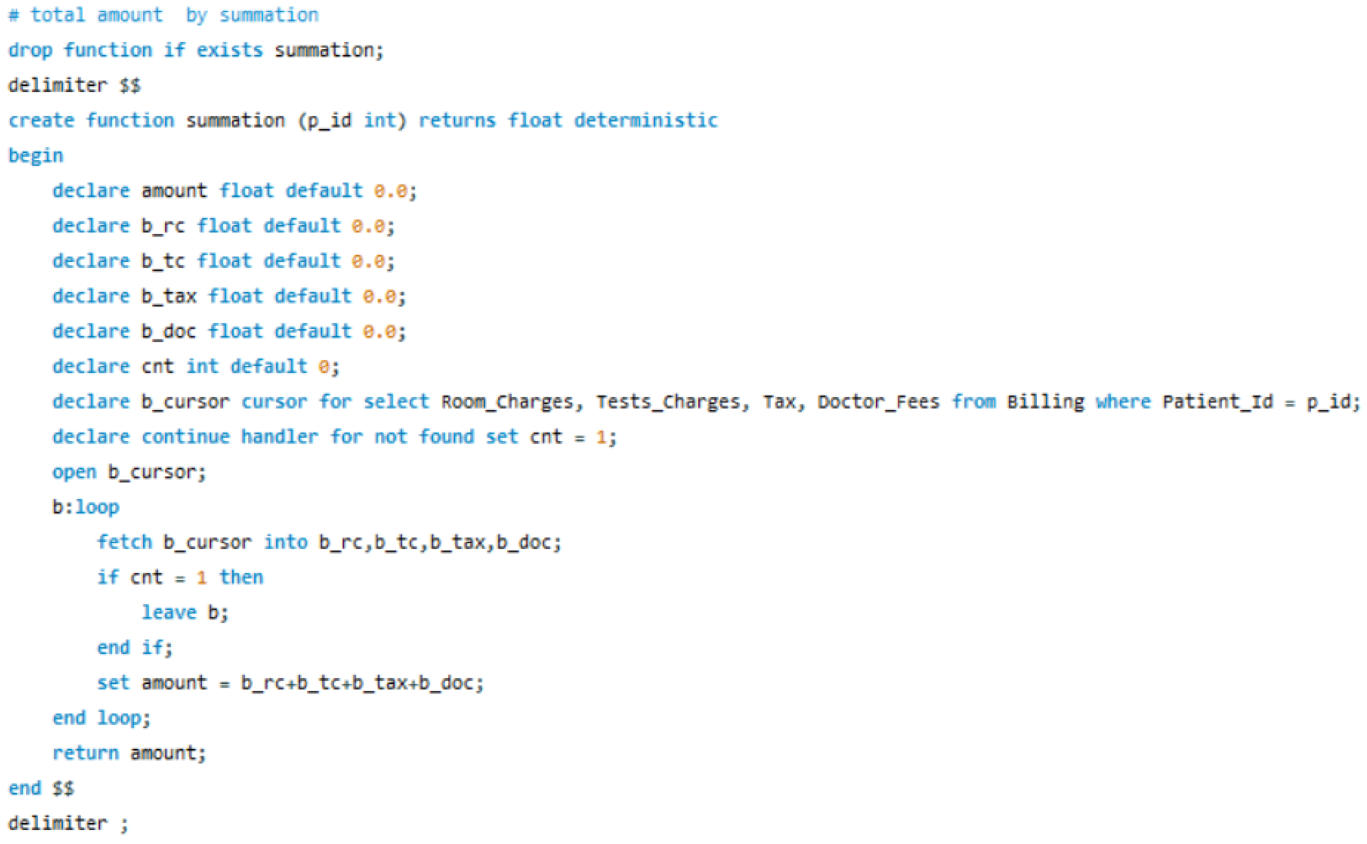


```
path('procedure6/', views.showprocedure6, name="procedure6"),
```

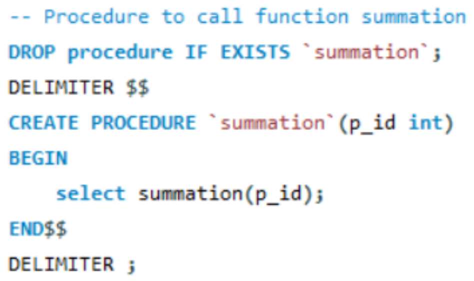
FUNCTIONS


Functions
Summation of charges of a patient
Beds available in a room
Total number of appointments for a given date
Total Patients with same blood group

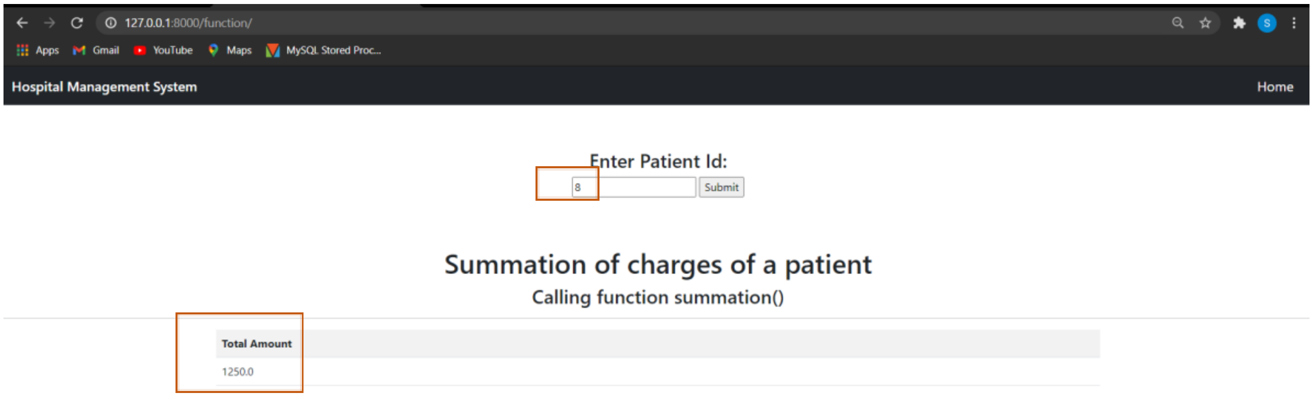
1. This function aims on summing up the room charges, doctor fees, test charges and tax for any patient to get the final amount.



```
# total amount  by summation
drop function if exists summation;
delimiter $$
create function summation (p_id int) returns float deterministic
begin
    declare amount float default 0.0;
    declare b_rc float default 0.0;
    declare b_tc float default 0.0;
    declare b_tax float default 0.0;
    declare b_doc float default 0.0;
    declare cnt int default 0;
    declare b_cursor cursor for select Room_Charges, Tests_Charges, Tax, Doctor_Fees from Billing where Patient_Id = p_id;
    declare continue handler for not found set cnt = 1;
    open b_cursor;
    b:loop
        fetch b_cursor into b_rc,b_tc,b_tax,b_doc;
        if cnt = 1 then
            leave b;
        end if;
        set amount = b_rc+b_tc+b_tax+b_doc;
    end loop;
    return amount;
end $$
delimiter ;
```



```
-- Procedure to call function summation
DROP procedure IF EXISTS `summation`;
DELIMITER $$
CREATE PROCEDURE `summation`(p_id int)
BEGIN
    select summation(p_id);
END$$
DELIMITER ;
```



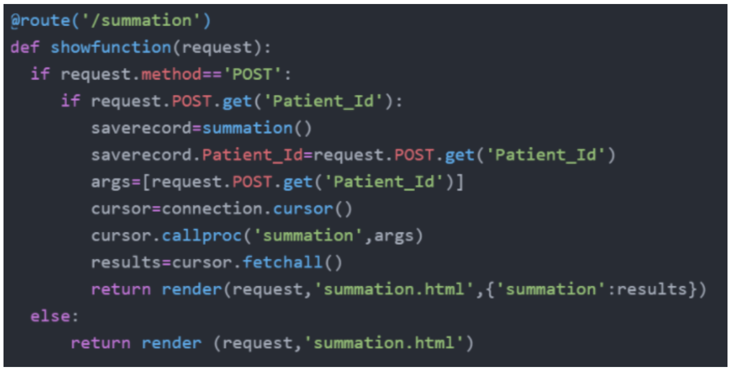
Enter Patient Id:

8

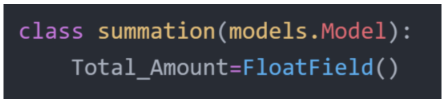
Summation of charges of a patient

Calling function summation()

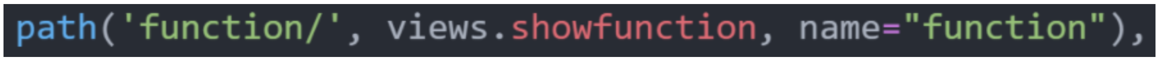
Total Amount
1250.0



```
@route('/summation')
def showfunction(request):
  if request.method=='POST':
     if request.POST.get('Patient_Id'):
        saverecord=summation()
        saverecord.Patient_Id=request.POST.get('Patient_Id')
        args=[request.POST.get('Patient_Id')]
        cursor=connection.cursor()
        cursor.callproc('summation',args)
        results=cursor.fetchall()
        return render(request,'summation.html',{'summation':results})
  else:
      return render (request,'summation.html')
```

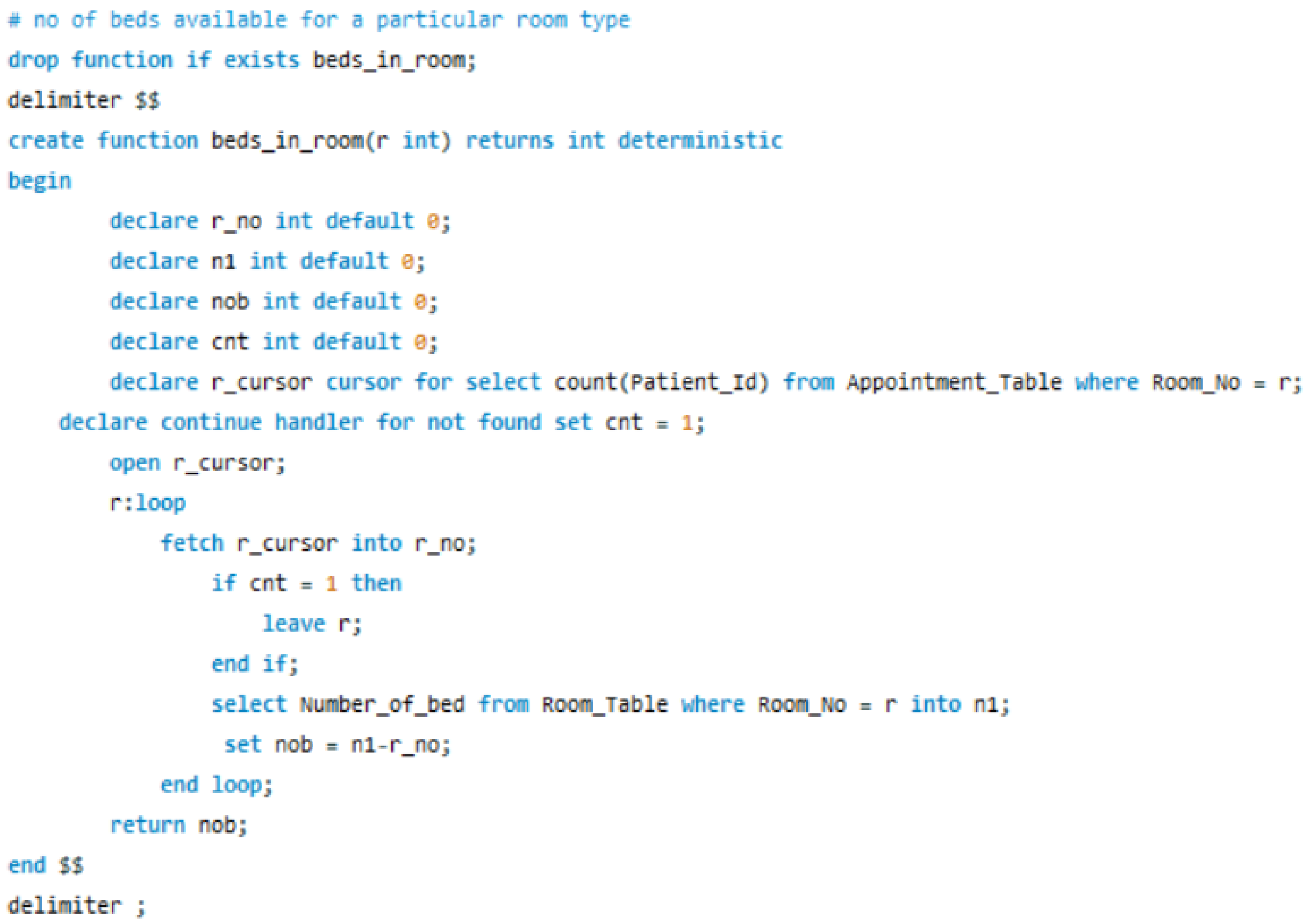


```
class summation(models.Model):
    Total_Amount=FloatField()
```

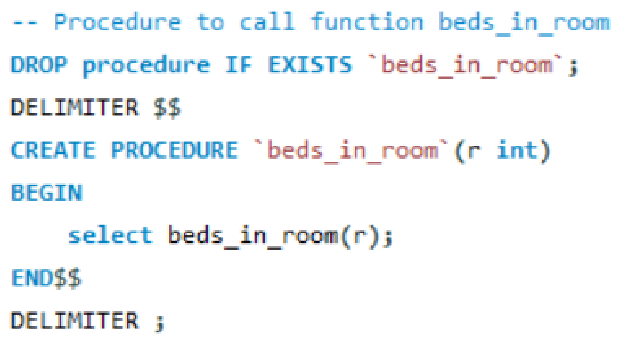


```
path('function/', views.showfunction, name="function"),
```

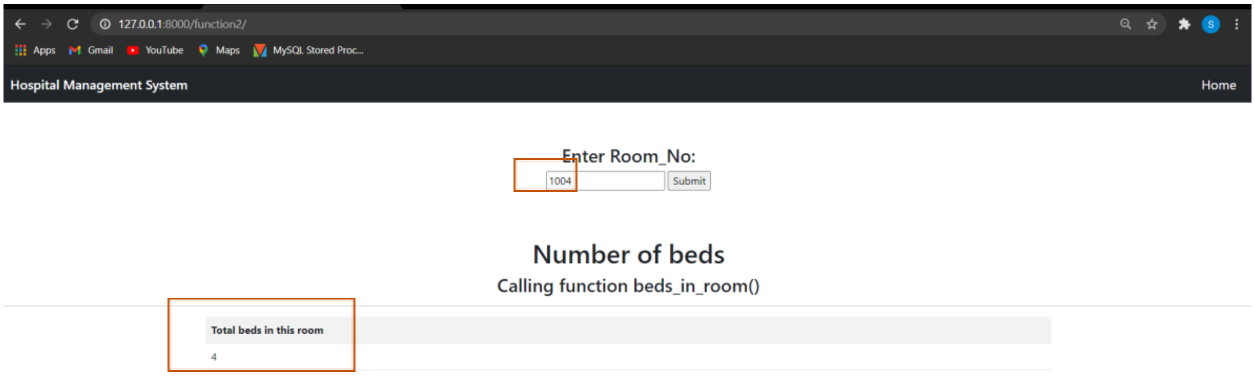
2. **The function returns the number of available beds in a particular room.**



```
# no of beds available for a particular room type
drop function if exists beds_in_room;
delimiter $$
create function beds_in_room(r int) returns int deterministic
begin
        declare r_no int default 0;
        declare n1 int default 0;
        declare nob int default 0;
        declare cnt int default 0;
        declare r_cursor cursor for select count(Patient_Id) from Appointment_Table where Room_No = r;
    declare continue handler for not found set cnt = 1;
        open r_cursor;
        r:loop
            fetch r_cursor into r_no;
                if cnt = 1 then
                    leave r;
                end if;
                select Number_of_bed from Room_Table where Room_No = r into n1;
                 set nob = n1-r_no;
            end loop;
        return nob;
end $$
delimiter ;
```



```
-- Procedure to call function beds_in_room
DROP procedure IF EXISTS `beds_in_room`;
DELIMITER $$
CREATE PROCEDURE `beds_in_room`(r int)
BEGIN
    select beds_in_room(r);
END$$
DELIMITER ;
```



Hospital Management System

Home

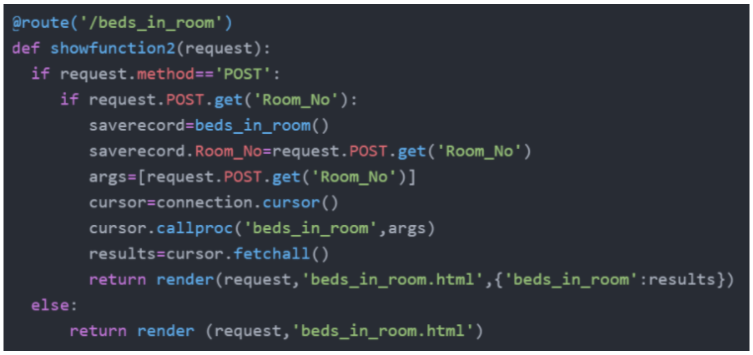
Enter Room_No:

1004 Submit

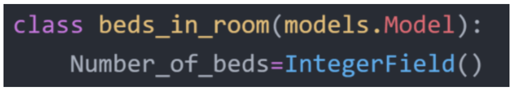
Number of beds

Calling function beds_in_room()

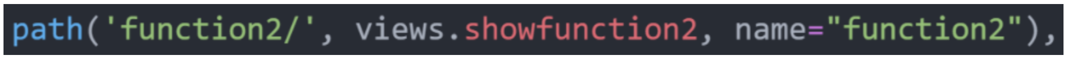
Total beds in this room
4



```
@route('/beds_in_room')
def showfunction2(request):
  if request.method=='POST':
     if request.POST.get('Room_No'):
        saverecord=beds_in_room()
        saverecord.Room_No=request.POST.get('Room_No')
        args=[request.POST.get('Room_No')]
        cursor=connection.cursor()
        cursor.callproc('beds_in_room',args)
        results=cursor.fetchall()
        return render(request,'beds_in_room.html',{'beds_in_room':results})
  else:
      return render (request,'beds_in_room.html')
```

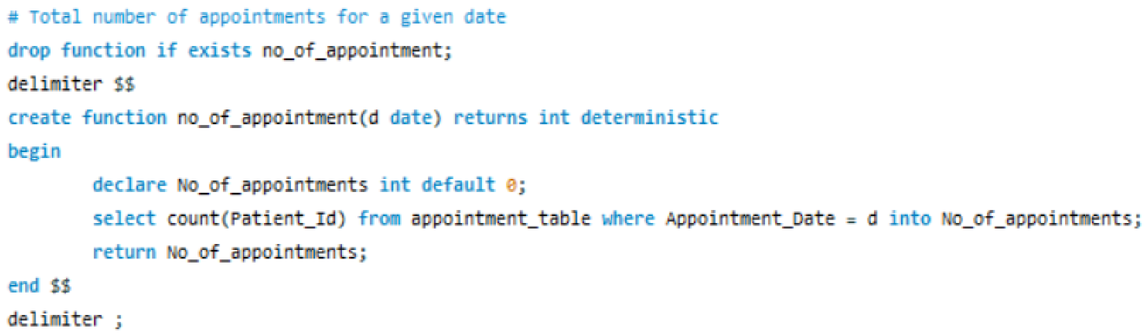


```
class beds_in_room(models.Model):
    Number_of_beds=IntegerField()
```

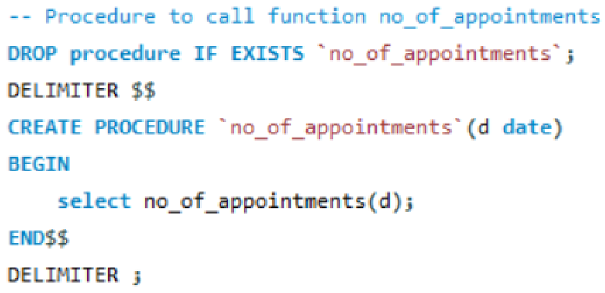


```
path('function2/', views.showfunction2, name="function2"),
```

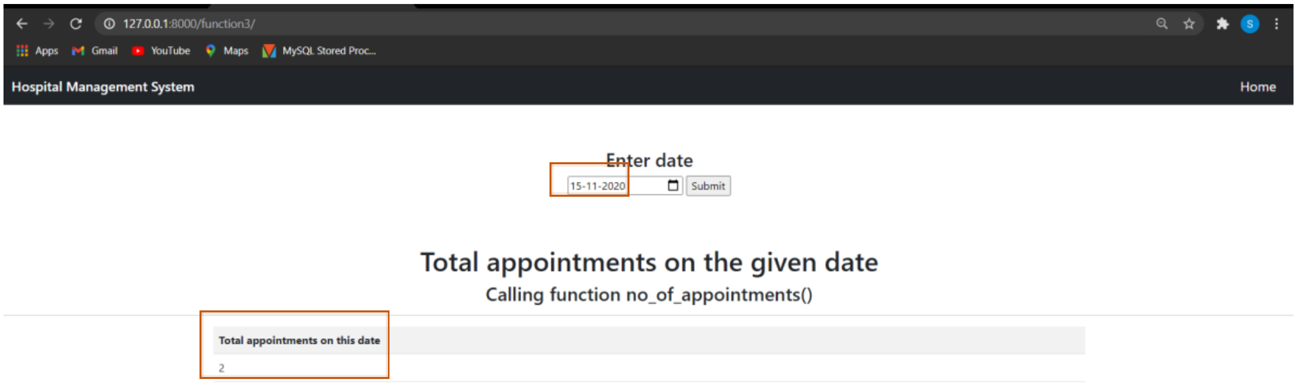
3. The function returns the value of number of appointments on a particular date.



```sql
# Total number of appointments for a given date
drop function if exists no_of_appointment;
delimiter $$
create function no_of_appointment(d date) returns int deterministic
begin
        declare No_of_appointments int default 0;
        select count(Patient_Id) from appointment_table where Appointment_Date = d into No_of_appointments;
        return No_of_appointments;
end $$
delimiter ;
```



```sql
-- Procedure to call function no_of_appointments
DROP procedure IF EXISTS `no_of_appointments`;
DELIMITER $$
CREATE PROCEDURE `no_of_appointments`(d date)
BEGIN
    select no_of_appointments(d);
END$$
DELIMITER ;
```



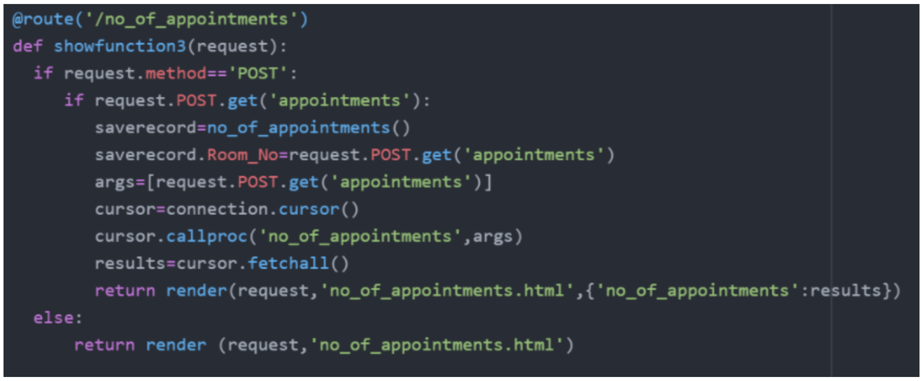
Enter date

15-11-2020

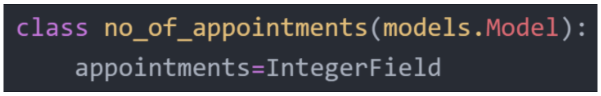
Total appointments on the given date

Calling function no_of_appointments()

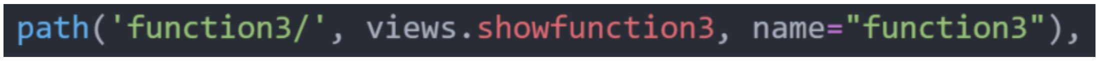
Total appointments on this date
2



```python
@route('/no_of_appointments')
def showfunction3(request):
  if request.method=='POST':
     if request.POST.get('appointments'):
        saverecord=no_of_appointments()
        saverecord.Room_No=request.POST.get('appointments')
        args=[request.POST.get('appointments')]
        cursor=connection.cursor()
        cursor.callproc('no_of_appointments',args)
        results=cursor.fetchall()
        return render(request,'no_of_appointments.html',{'no_of_appointments':results})
  else:
      return render (request,'no_of_appointments.html')
```

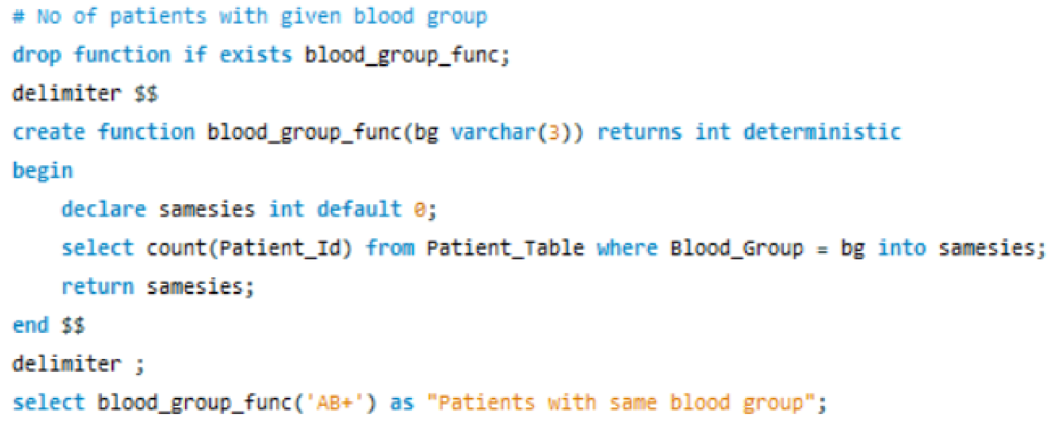


```
class no_of_appointments(models.Model):
    appointments=IntegerField
```

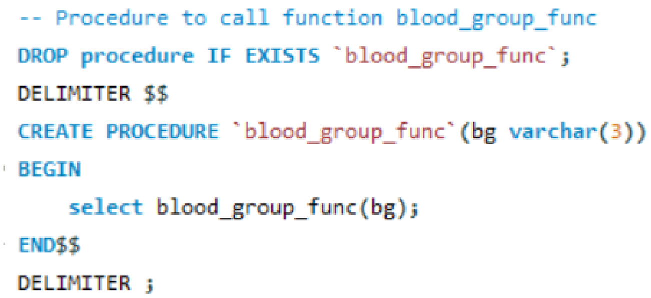


```
path('function3/', views.showfunction3, name="function3"),
```

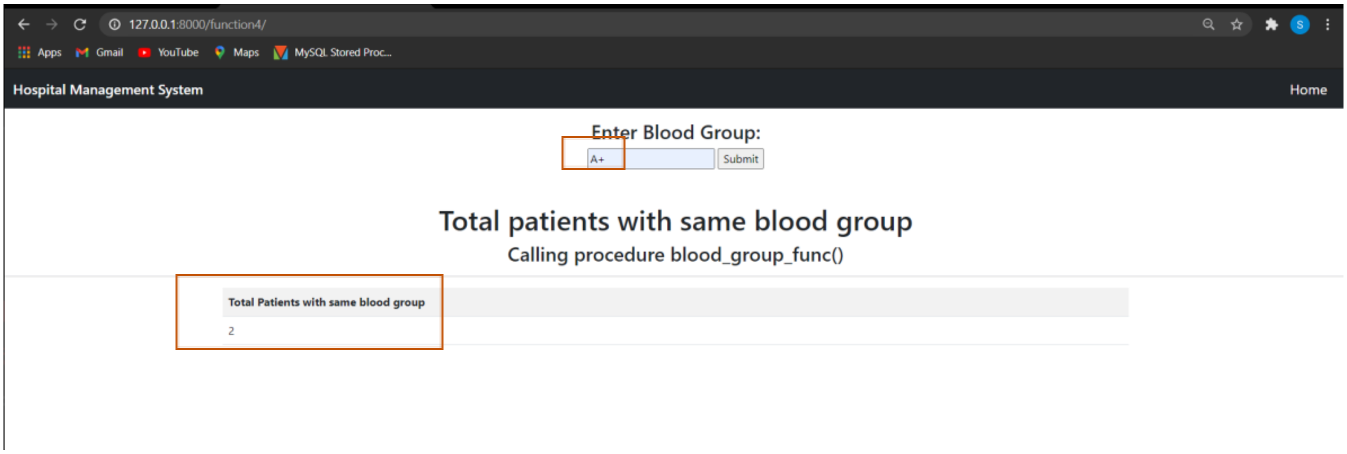
4. The function returns the value of number of patients with same blood group.



```
# No of patients with given blood group
drop function if exists blood_group_func;
delimiter $$
create function blood_group_func(bg varchar(3)) returns int deterministic
begin
    declare samesies int default 0;
    select count(Patient_Id) from Patient_Table where Blood_Group = bg into samesies;
    return samesies;
end $$
delimiter ;
select blood_group_func('AB+') as "Patients with same blood group";
```



```
-- Procedure to call function blood_group_func
DROP procedure IF EXISTS `blood_group_func`;
DELIMITER $$
CREATE PROCEDURE `blood_group_func`(bg varchar(3))
BEGIN
    select blood_group_func(bg);
END$$
DELIMITER ;
```



Hospital Management System

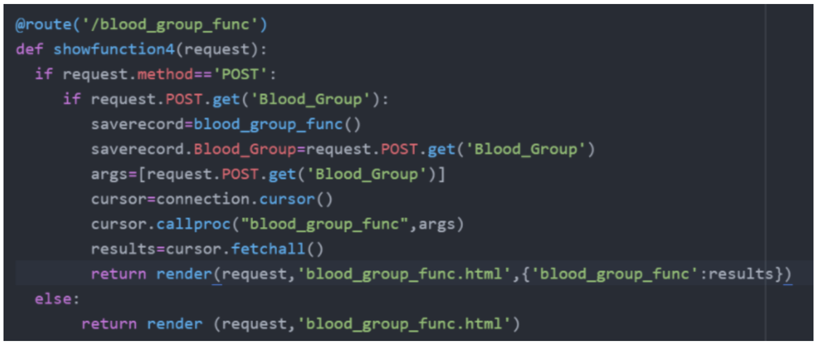
Enter Blood Group:

A+

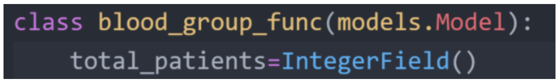
Total patients with same blood group

Calling procedure blood_group_func()

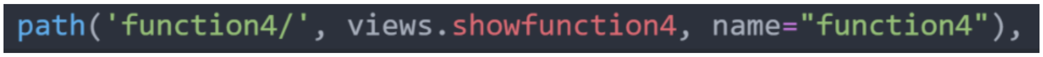
Total Patients with same blood group
2



```
@route('/blood_group_func')
def showfunction4(request):
  if request.method=='POST':
     if request.POST.get('Blood_Group'):
        saverecord=blood_group_func()
        saverecord.Blood_Group=request.POST.get('Blood_Group')
        args=[request.POST.get('Blood_Group')]
        cursor=connection.cursor()
        cursor.callproc("blood_group_func",args)
        results=cursor.fetchall()
        return render(request,'blood_group_func.html',{'blood_group_func':results})
  else:
       return render (request,'blood_group_func.html')
```



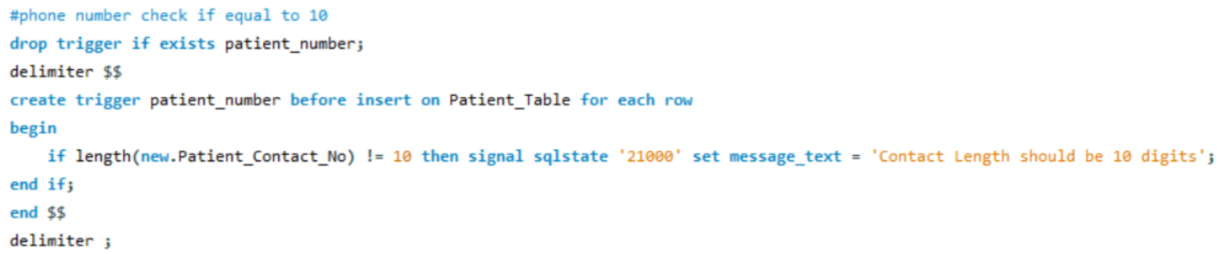
```
class blood_group_func(models.Model):
    total_patients=IntegerField()
```



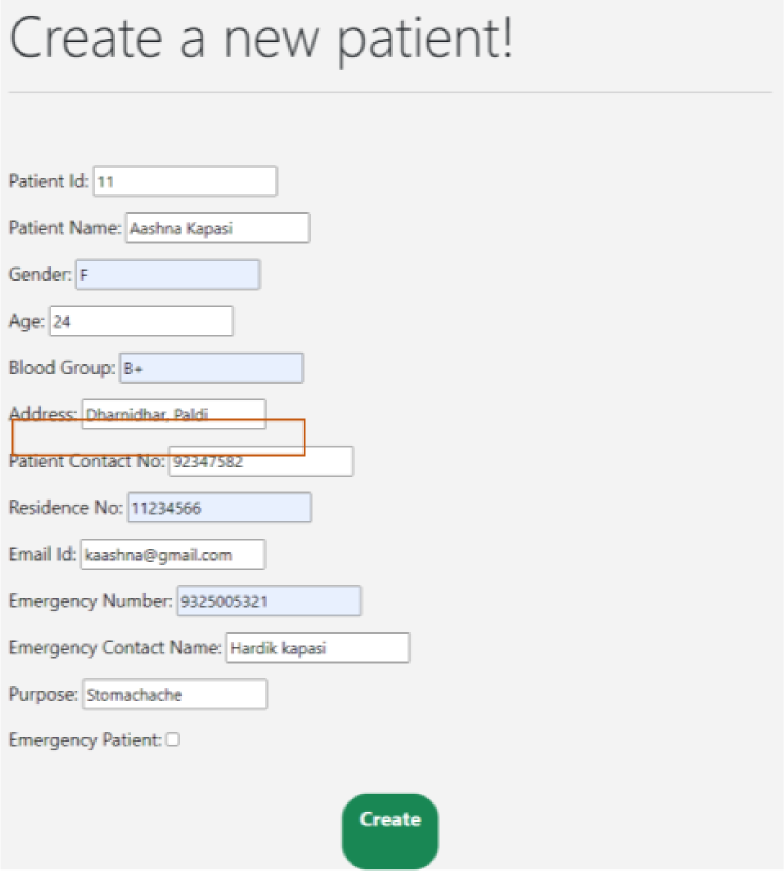
```
path('function4/', views.showfunction4, name="function4"),
```

TRIGGERS

1. The trigger gives error for patient contact number that is not equal to 10 digits while creating or updating a new record in the patient table.



```
#phone number check if equal to 10
drop trigger if exists patient_number;
delimiter $$
create trigger patient_number before insert on Patient_Table for each row
begin
    if length(new.Patient_Contact_No) != 10 then signal sqlstate '21000' set message_text = 'Contact Length should be 10 digits';
end if;
end $$
delimiter ;
```



Create a new patient!

Patient Id: 11

Patient Name: Aashna Kapasi

Gender: F

Age: 24

Blood Group: B+

Address: Dharnidhar, Paldi

Patient Contact No: 92347582

Residence No: 11234566

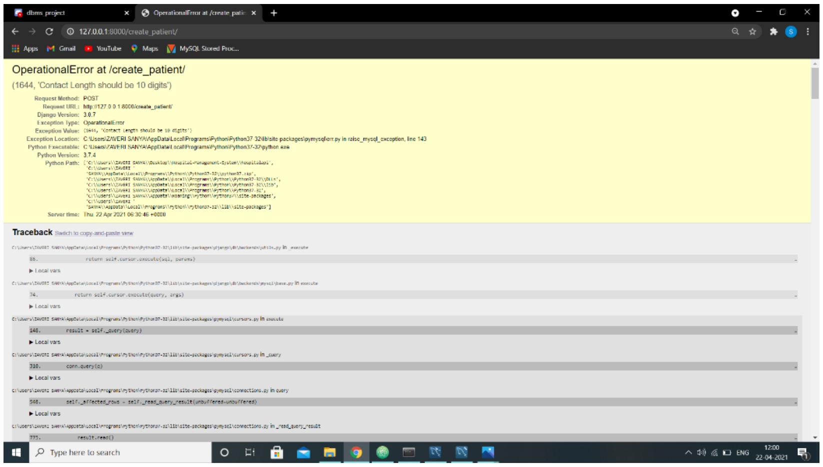
Email Id: kaashna@gmail.com

Emergency Number: 9325005321

Emergency Contact Name: Hardik kapasi

Purpose: Stomachache

Emergency Patient: □



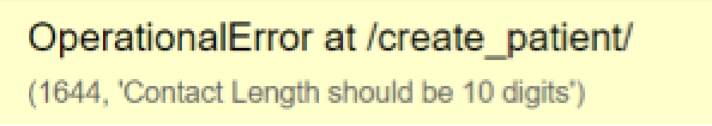
OperationalError at /create_patient/

(1644, 'Contact Length should be 10 digits')

```
Request Method: POST
Request URL: http://127.0.0.1:8000/create_patient/
Django Version: 3.0.7
Exception Type: OperationalError
Exception Value: (1644, 'Contact Length should be 10 digits')
Exception Location: C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\err.py in raise_mysql_exception, line 143
Python Executable: C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\python.exe
Python Version: 3.7.4
Python Path: ['C:\\Users\\ZAVERI SANYA\\Desktop\\Hospital-Management-System\\hospitalapi',
 'C:\\Users\\ZAVERI '
 'SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\python37.zip',
 'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\DLLs',
 'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\lib',
 'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32',
 'C:\\Users\\ZAVERI SANYA\\AppData\\Roaming\\Python\\Python37\\site-packages',
 'C:\\Users\\ZAVERI '
 'SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\lib\\site-packages']
Server time: Thu, 22 Apr 2021 06:30:46 +0000
```

Traceback Switch to copy-and-paste view

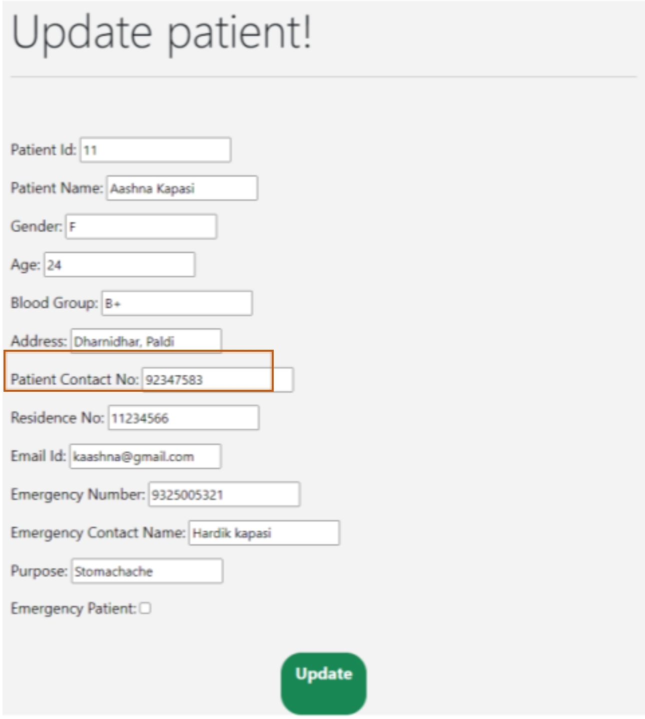
```
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\django\db\backends\utils.py in _execute
    86.                 return self.cursor.execute(sql, params)
  ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\django\db\backends\mysql\base.py in execute
    74.             return self.cursor.execute(query, args)
  ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\cursors.py in execute
    148.        result = self._query(query)
  ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\cursors.py in _query
    310.        conn.query(q)
  ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\connections.py in query
    548.        self._affected_rows = self._read_query_result(unbuffered=unbuffered)
  ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\connections.py in _read_query_result
    775.            result.read()
```



OperationalError at /create_patient/

(1644, 'Contact Length should be 10 digits')

```
#phone number check if = 10
drop trigger if exists patient_number_update;
delimiter $$
create trigger patient_number_update before update on Patient_Table for each row
begin
    if length(new.Patient_Contact_No) != 10 then signal sqlstate '21000' set message_text = 'Contact Length should be 10 digits';
end if;
end $$
delimiter ;
```



Update patient!

Patient Id: 11

Patient Name: Aashna Kapasi

Gender: F

Age: 24

Blood Group: B+

Address: Dharnidhar, Paldi

Patient Contact No: 92347583

Residence No: 11234566

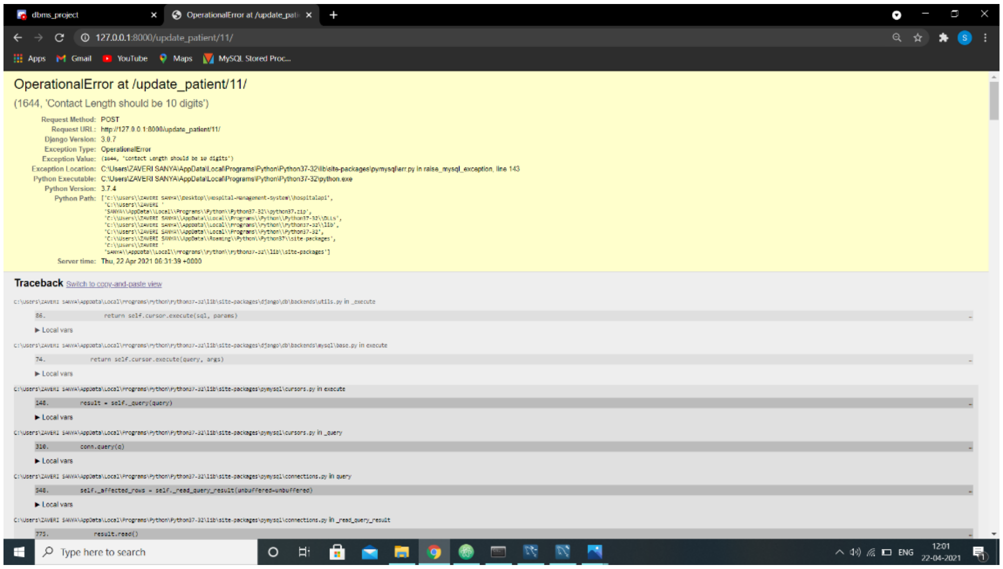
Email Id: kaashna@gmail.com

Emergency Number: 9325005321

Emergency Contact Name: Hardik kapasi

Purpose: Stomachache

Emergency Patient: □



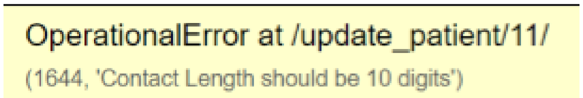
OperationalError at /update_patient/11/

(1644, 'Contact Length should be 10 digits')

```
     Request Method: POST
        Request URL: http://127.0.0.1:8000/update_patient/11/
     Django Version: 3.0.7
     Exception Type: OperationalError
    Exception Value: (1644, 'Contact Length should be 10 digits')
 Exception Location: C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\err.py in raise_mysql_exception, line 143
  Python Executable: C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\python.exe
     Python Version: 3.7.4
        Python Path: ['C:\\Users\\ZAVERI SANYA\\Desktop\\Hospital-Management-System\\hospitalapi',
                      'C:\\Users\\ZAVERI '
                      'SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\python37.zip',
                      'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\DLLs',
                      'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\lib',
                      'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32',
                      'C:\\Users\\ZAVERI SANYA\\AppData\\Roaming\\Python\\Python37\\site-packages',
                      'C:\\Users\\ZAVERI '
                      'SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\lib\\site-packages']
        Server time: Thu, 22 Apr 2021 06:31:39 +0000
```

Traceback Switch to copy-and-paste view

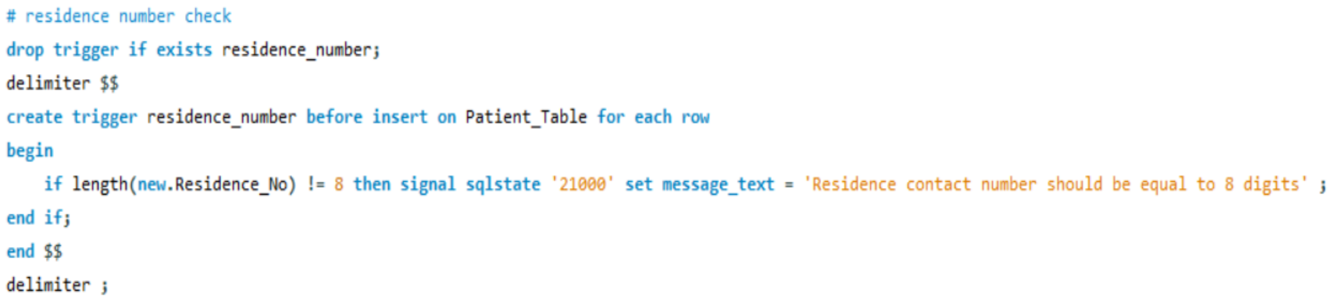
```
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\django\db\backends\utils.py in _execute
    86.                 return self.cursor.execute(sql, params)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\django\db\backends\mysql\base.py in execute
    74.             return self.cursor.execute(query, args)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\cursors.py in execute
    148.        result = self._query(query)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\cursors.py in _query
    310.        conn.query(q)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\connections.py in query
    548.        self._affected_rows = self._read_query_result(unbuffered=unbuffered)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\connections.py in _read_query_result
    775.            result.read()
```



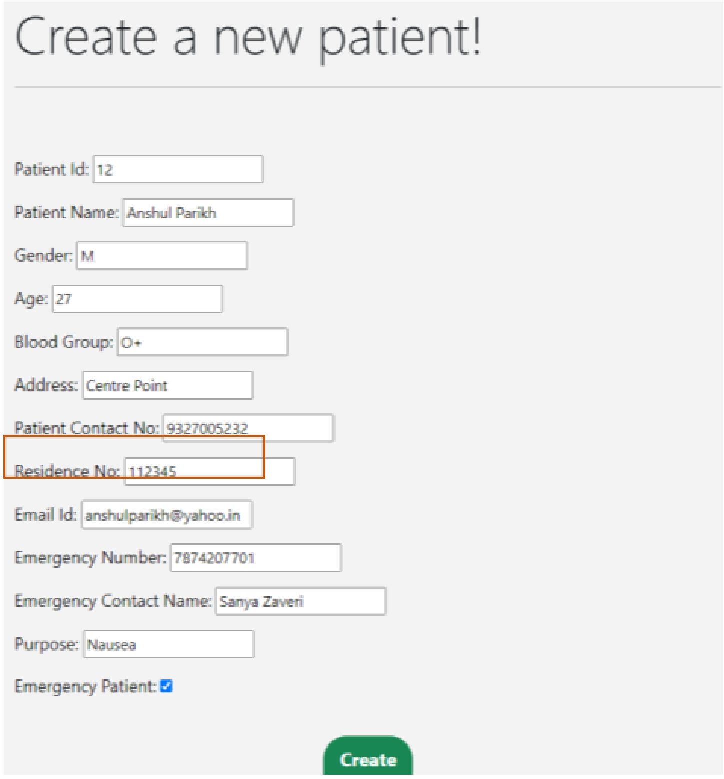
OperationalError at /update_patient/11/

(1644, 'Contact Length should be 10 digits')

2. The trigger gives error for patient residence number that is not equal to 8 digits while creating or updating a new record in the patient table.



```
# residence number check
drop trigger if exists residence_number;
delimiter $$
create trigger residence_number before insert on Patient_Table for each row
begin
    if length(new.Residence_No) != 8 then signal sqlstate '21000' set message_text = 'Residence contact number should be equal to 8 digits' ;
end if;
end $$
delimiter ;
```



Create a new patient!

Patient Id: 12

Patient Name: Anshul Parikh

Gender: M

Age: 27

Blood Group: O+

Address: Centre Point

Patient Contact No: 9327005232

Residence No: 112345

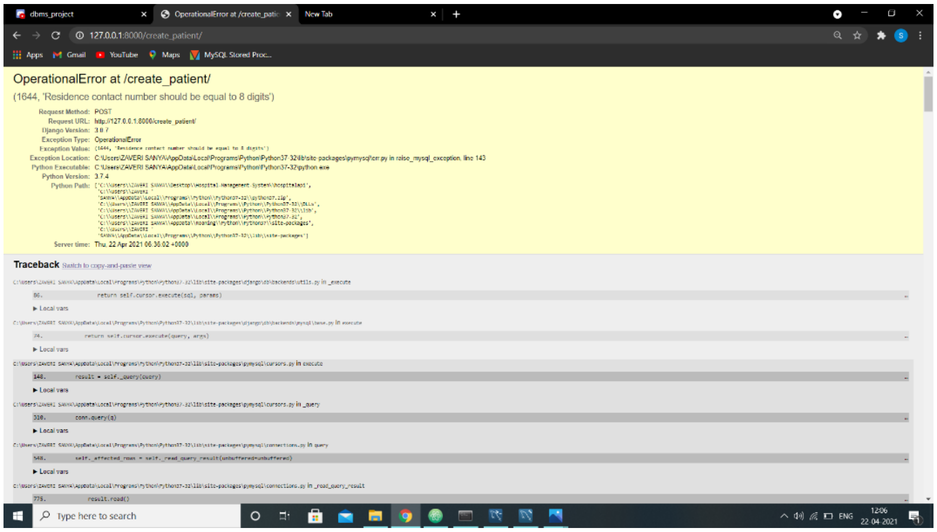
Email Id: anshulparikh@yahoo.in

Emergency Number: 7874207701

Emergency Contact Name: Sanya Zaveri

Purpose: Nausea

Emergency Patient: ☑



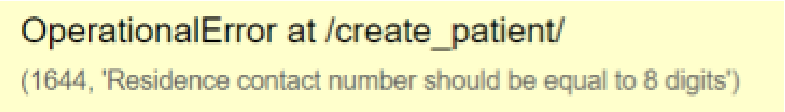
OperationalError at /create_patient/

(1644, 'Residence contact number should be equal to 8 digits')

```
  Request Method: POST
     Request URL: http://127.0.0.1:8000/create_patient/
  Django Version: 3.0.7
  Exception Type: OperationalError
 Exception Value: (1644, 'Residence contact number should be equal to 8 digits')
Exception Location: C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\err.py in raise_mysql_exception, line 143
Python Executable: C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\python.exe
  Python Version: 3.7.4
     Python Path: ['C:\\Users\\ZAVERI SANYA\\Desktop\\Hospital-Management-System\\hospitalapi',
                   'C:\\Users\\ZAVERI '
                   'SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\python37.zip',
                   'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\DLLs',
                   'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\lib',
                   'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32',
                   'C:\\Users\\ZAVERI SANYA\\AppData\\Roaming\\Python\\Python37\\site-packages',
                   'C:\\Users\\ZAVERI '
                   'SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\lib\\site-packages']
     Server time: Thu, 22 Apr 2021 06:36:02 +0000
```

Traceback Switch to copy-and-paste view

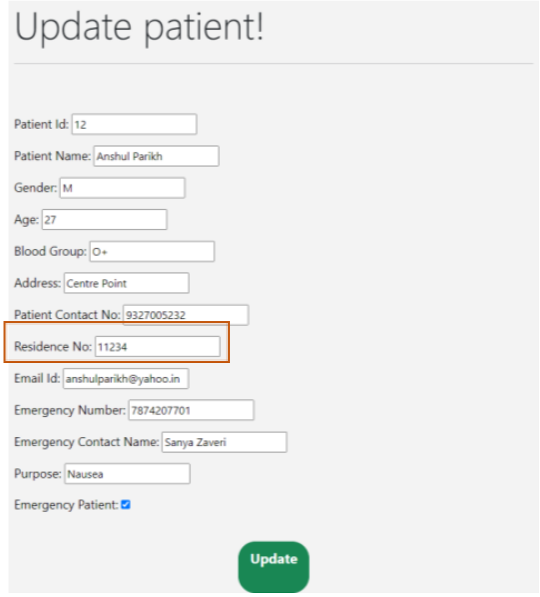
```
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\django\db\backends\utils.py in _execute
    86.                 return self.cursor.execute(sql, params)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\django\db\backends\mysql\base.py in execute
    74.             return self.cursor.execute(query, args)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\cursors.py in execute
    148.         result = self._query(query)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\cursors.py in _query
    310.         conn.query(q)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\connections.py in query
    548.         self._affected_rows = self._read_query_result(unbuffered=unbuffered)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\connections.py in _read_query_result
    775.             result.read()
```



OperationalError at /create_patient/

(1644, 'Residence contact number should be equal to 8 digits')

```
drop trigger if exists residence_number_update;
delimiter $$
create trigger residence_number_update before update on Patient_Table for each row
begin
    if length(new.Residence_No) != 8 then signal sqlstate '21000' set message_text = 'Residence contact number should be equal to 8 digits' ;
end if;
end $$
delimiter ;
```



Update patient!

Patient Id: 12

Patient Name: Anshul Parikh

Gender: M

Age: 27

Blood Group: O+

Address: Centre Point

Patient Contact No: 9327005232

Residence No: 11234

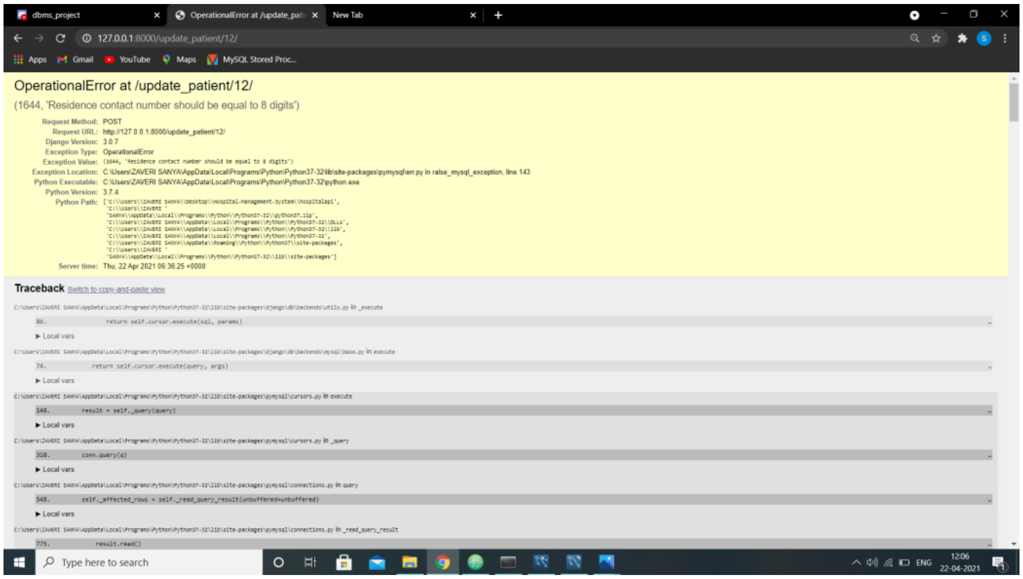
Email Id: anshulparikh@yahoo.in

Emergency Number: 7874207701

Emergency Contact Name: Sanya Zaveri

Purpose: Nausea

Emergency Patient: ☑



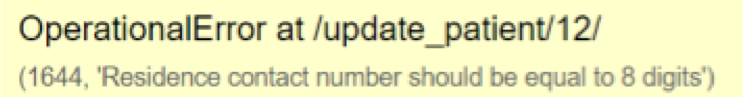
OperationalError at /update_patient/12/

(1644, 'Residence contact number should be equal to 8 digits')

```
Request Method: POST
Request URL: http://127.0.0.1:8000/update_patient/12/
Django Version: 3.0.7
Exception Type: OperationalError
Exception Value: (1644, 'Residence contact number should be equal to 8 digits')
Exception Location: C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\err.py in raise_mysql_exception, line 143
Python Executable: C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\python.exe
Python Version: 3.7.4
Python Path: ['C:\\Users\\ZAVERI SANYA\\Desktop\\Hospital-Management-System\\hospitalapi',
 'C:\\Users\\ZAVERI '
 'SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\python37.zip',
 'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\DLLs',
 'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\lib',
 'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32',
 'C:\\Users\\ZAVERI SANYA\\AppData\\Roaming\\Python\\Python37\\site-packages',
 'C:\\Users\\ZAVERI '
 'SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\lib\\site-packages']
Server time: Thu, 22 Apr 2021 06:36:25 +0000
```

Traceback Switch to copy-and-paste view

```
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\django\db\backends\utils.py in _execute
    86.             return self.cursor.execute(sql, params)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\django\db\backends\mysql\base.py in execute
    74.         return self.cursor.execute(query, args)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\cursors.py in execute
    148.        result = self._query(query)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\cursors.py in _query
    310.        conn.query(q)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\connections.py in query
    548.        self._affected_rows = self._read_query_result(unbuffered=unbuffered)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\connections.py in _read_query_result
    775.          result.read()
```

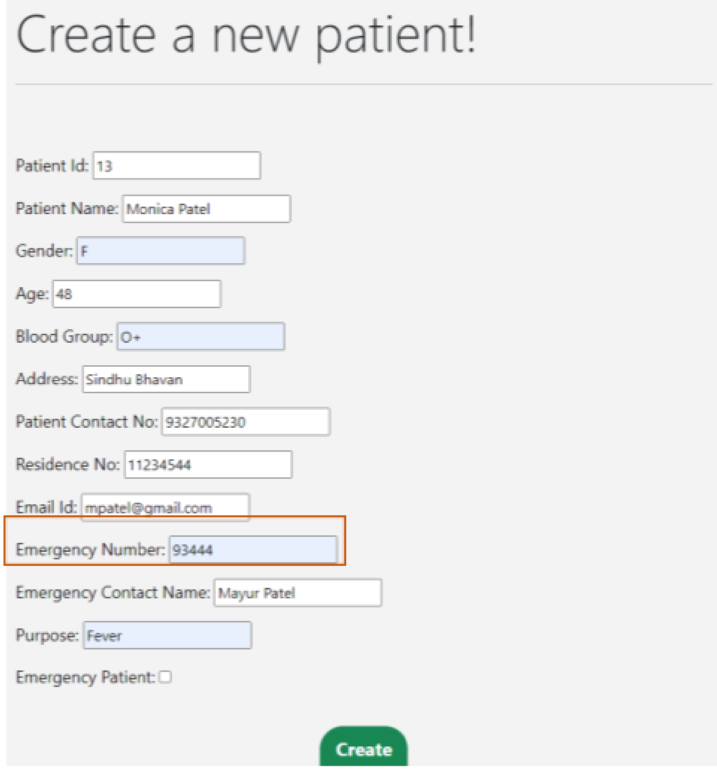


OperationalError at /update_patient/12/

(1644, 'Residence contact number should be equal to 8 digits')

3. The trigger gives error for emergency contact number that is not equal to 10 digits while creating or updating a new record in the patient table.

```
#emergency contact number check
drop trigger if exists emergency_number;
delimiter $$
create trigger emergency_number before insert on Patient_Table for each row
begin
    if length(new.Emergency_Number) != 10 then signal sqlstate '21000' set message_text = 'contact number should be equal to 10 digits' ;
end if;
end $$
delimiter ;
```



Create a new patient!

Patient Id: 13

Patient Name: Monica Patel

Gender: F

Age: 48

Blood Group: O+

Address: Sindhu Bhavan

Patient Contact No: 9327005230

Residence No: 11234544

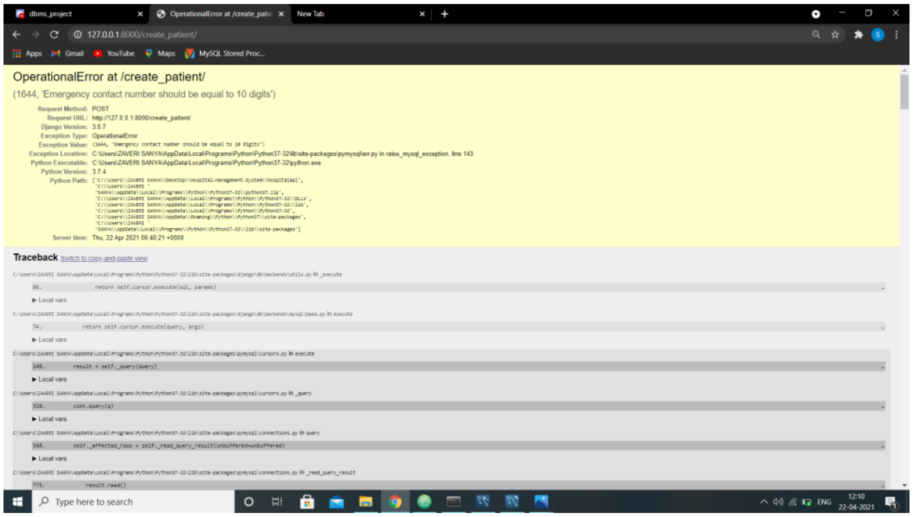
Email Id: mpatel@gmail.com

Emergency Number: 93444

Emergency Contact Name: Mayur Patel

Purpose: Fever

Emergency Patient: □



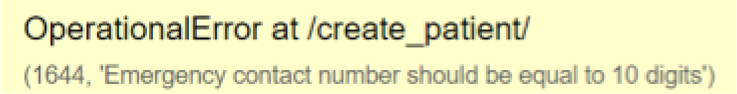
OperationalError at /create_patient/

(1644, 'Emergency contact number should be equal to 10 digits')

```
Request Method: POST
   Request URL: http://127.0.0.1:8000/create_patient/
Django Version: 3.0.7
Exception Type: OperationalError
Exception Value: (1644, 'Emergency contact number should be equal to 10 digits')
Exception Location: C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\err.py in raise_mysql_exception, line 143
Python Executable: C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\python.exe
Python Version: 3.7.4
   Python Path: ['C:\\Users\\ZAVERI SANYA\\Desktop\\Hospital-Management-System\\hospitalapi',
                 'C:\\Users\\ZAVERI '
                 'SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\python37.zip',
                 'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\DLLs',
                 'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\lib',
                 'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32',
                 'C:\\Users\\ZAVERI SANYA\\AppData\\Roaming\\Python\\Python37\\site-packages',
                 'C:\\Users\\ZAVERI '
                 'SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\lib\\site-packages']
   Server time: Thu, 22 Apr 2021 06:40:21 +0000
```

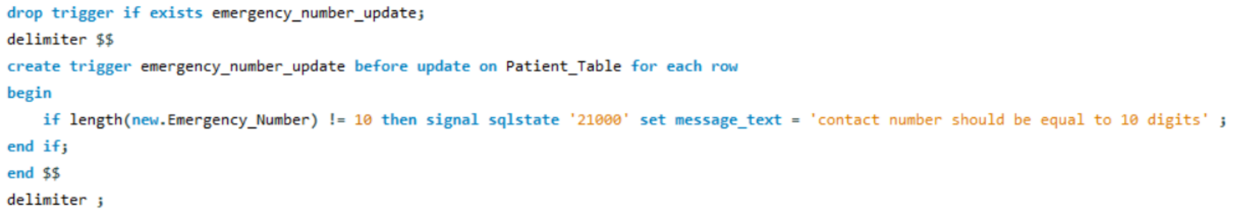
Traceback Switch to copy-and-paste view

```
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\django\db\backends\utils.py in _execute
    86.                 return self.cursor.execute(sql, params)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\django\db\backends\mysql\base.py in execute
    74.             return self.cursor.execute(query, args)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\cursors.py in execute
    148.        result = self._query(query)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\cursors.py in _query
    310.        conn.query(q)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\connections.py in query
    548.        self._affected_rows = self._read_query_result(unbuffered=unbuffered)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\connections.py in _read_query_result
    775.            result.read()
```

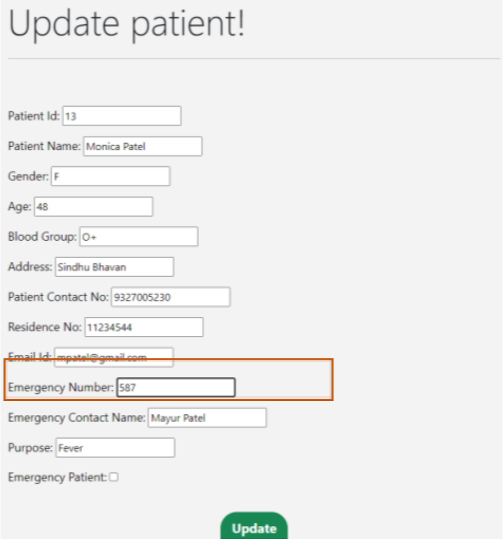


OperationalError at /create_patient/

(1644, 'Emergency contact number should be equal to 10 digits')



```
drop trigger if exists emergency_number_update;
delimiter $$
create trigger emergency_number_update before update on Patient_Table for each row
begin
    if length(new.Emergency_Number) != 10 then signal sqlstate '21000' set message_text = 'contact number should be equal to 10 digits' ;
end if;
end $$
delimiter ;
```



Update patient!

Patient Id: 13

Patient Name: Monica Patel

Gender: F

Age: 48

Blood Group: O+

Address: Sindhu Bhavan

Patient Contact No: 9327005230

Residence No: 11234544

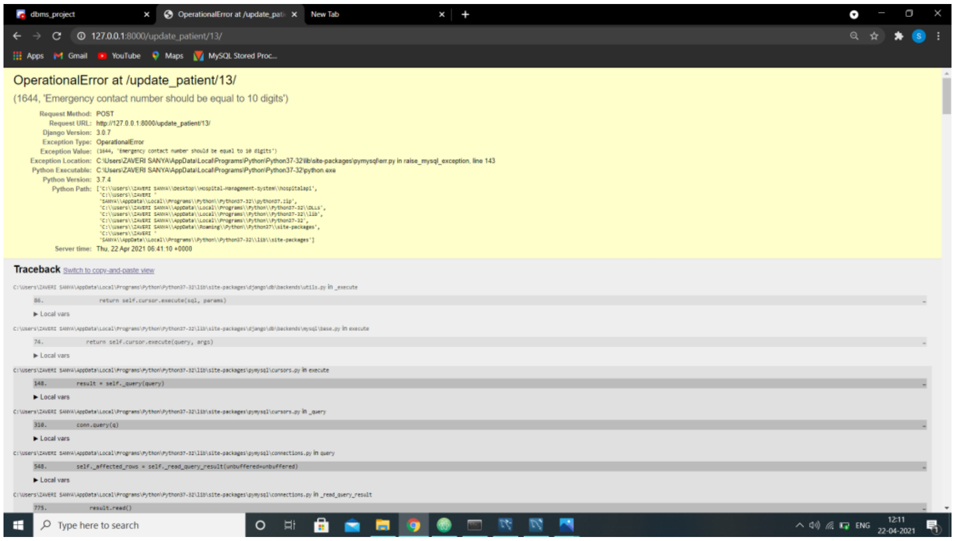
Email Id: mpatel@gmail.com

Emergency Number: 587

Emergency Contact Name: Mayur Patel

Purpose: Fever

Emergency Patient: □



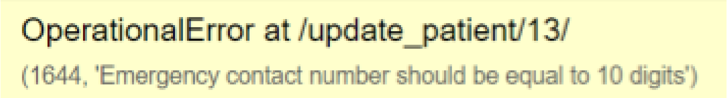
OperationalError at /update_patient/13/

(1644, 'Emergency contact number should be equal to 10 digits')

```
   Request Method: POST
      Request URL: http://127.0.0.1:8000/update_patient/13/
   Django Version: 3.0.7
   Exception Type: OperationalError
  Exception Value: (1644, 'Emergency contact number should be equal to 10 digits')
Exception Location: C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\err.py in raise_mysql_exception, line 143
Python Executable: C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\python.exe
   Python Version: 3.7.4
      Python Path: ['C:\\Users\\ZAVERI SANYA\\Desktop\\Hospital-Management-System\\hospitalapi',
                    'C:\\Users\\ZAVERI '
                    'SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\python37.zip',
                    'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\DLLs',
                    'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\lib',
                    'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32',
                    'C:\\Users\\ZAVERI SANYA\\AppData\\Roaming\\Python\\Python37\\site-packages',
                    'C:\\Users\\ZAVERI '
                    'SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\lib\\site-packages']
      Server time: Thu, 22 Apr 2021 06:41:10 +0000
```

Traceback Switch to copy-and-paste view

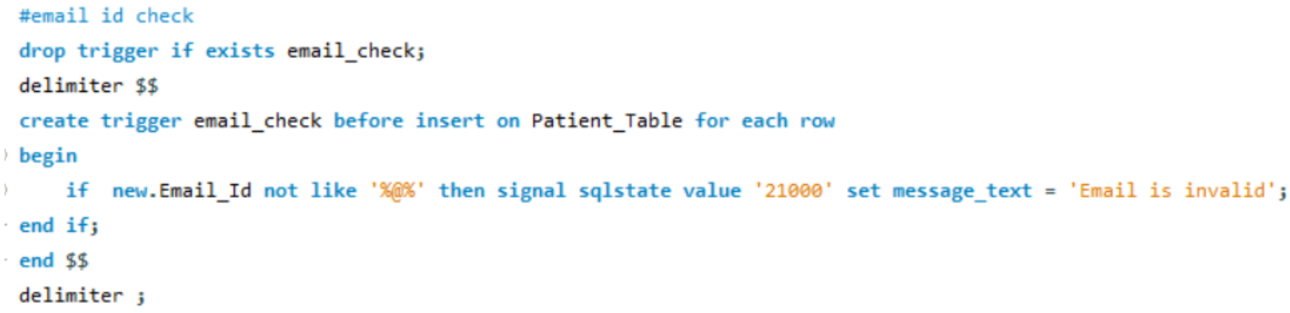
```
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\django\db\backends\utils.py in _execute
    86.                 return self.cursor.execute(sql, params)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\django\db\backends\mysql\base.py in execute
    74.             return self.cursor.execute(query, args)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\cursors.py in execute
    148.        result = self._query(query)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\cursors.py in _query
    310.        conn.query(q)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\connections.py in query
    548.        self._affected_rows = self._read_query_result(unbuffered=unbuffered)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\connections.py in _read_query_result
    775.            result.read()
```



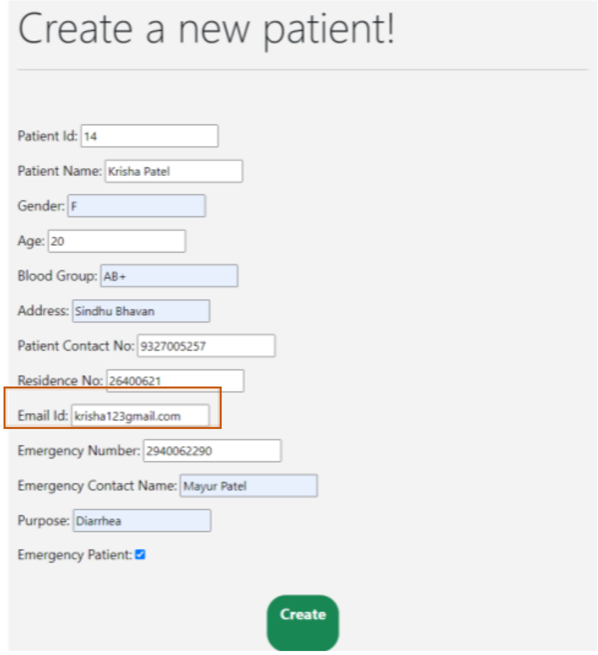
OperationalError at /update_patient/13/

(1644, 'Emergency contact number should be equal to 10 digits')

4. The trigger gives error for patient email id that does not have "@" while creating or updating a new record in the patient table.



```
#email id check
drop trigger if exists email_check;
delimiter $$
create trigger email_check before insert on Patient_Table for each row
begin
    if  new.Email_Id not like '%@%' then signal sqlstate value '21000' set message_text = 'Email is invalid';
end if;
end $$
delimiter ;
```



Create a new patient!

Patient Id: 14

Patient Name: Krisha Patel

Gender: F

Age: 20

Blood Group: AB+

Address: Sindhu Bhavan

Patient Contact No: 9327005257

Residence No: 26400621

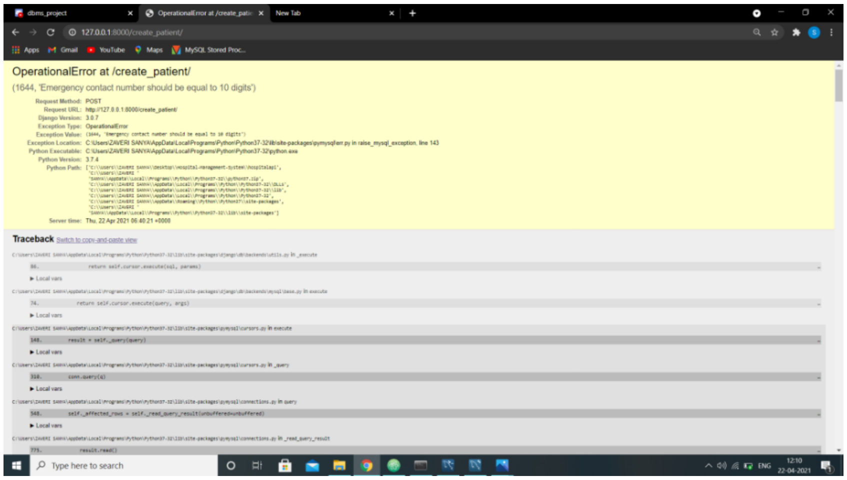
Email Id: krisha123gmail.com

Emergency Number: 2940062290

Emergency Contact Name: Mayur Patel

Purpose: Diarrhea

Emergency Patient: ☑



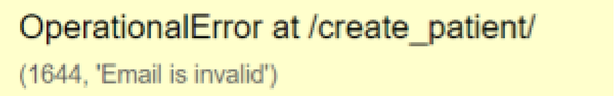
OperationalError at /create_patient/

(1644, 'Emergency contact number should be equal to 10 digits')

```
     Request Method:  POST
        Request URL:  http://127.0.0.1:8000/create_patient/
     Django Version:  3.0.7
     Exception Type:  OperationalError
    Exception Value:  (1644, 'Emergency contact number should be equal to 10 digits')
 Exception Location:  C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\err.py in raise_mysql_exception, line 143
  Python Executable:  C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\python.exe
     Python Version:  3.7.4
        Python Path:  ['C:\\Users\\ZAVERI SANYA\\Desktop\\Hospital-management-system\\hospitalapi',
                       'C:\\Users\\ZAVERI '
                       'SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\python37.zip',
                       'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\DLLs',
                       'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\lib',
                       'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32',
                       'C:\\Users\\ZAVERI SANYA\\AppData\\Roaming\\Python\\Python37\\site-packages',
                       'C:\\Users\\ZAVERI '
                       'SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\lib\\site-packages']
        Server time:  Thu, 22 Apr 2021 06:40:21 +0000
```

Traceback Switch to copy-and-paste view

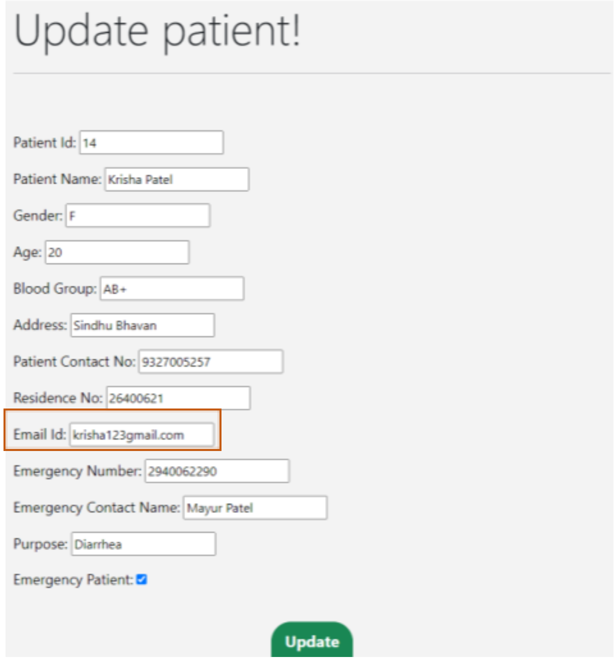
```
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\django\db\backends\utils.py in _execute
    86.                 return self.cursor.execute(sql, params)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\django\db\backends\mysql\base.py in execute
    74.             return self.cursor.execute(query, args)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\cursors.py in execute
    148.        result = self._query(query)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\cursors.py in _query
    310.        conn.query(q)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\connections.py in query
    548.        self._affected_rows = self._read_query_result(unbuffered=unbuffered)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\connections.py in _read_query_result
    775.            result.read()
```



OperationalError at /create_patient/

(1644, 'Email is invalid')

```
drop trigger if exists email_check_update;
delimiter $$
create trigger email_check_update before update on Patient_Table for each row
begin
    if  new.Email_Id not like '%@%' then signal sqlstate value '21000' set message_text = 'Email is invalid';
end if;
end $$
delimiter ;
```



Update patient!

Patient Id: 14

Patient Name: Krisha Patel

Gender: F

Age: 20

Blood Group: AB+

Address: Sindhu Bhavan

Patient Contact No: 9327005257

Residence No: 26400621

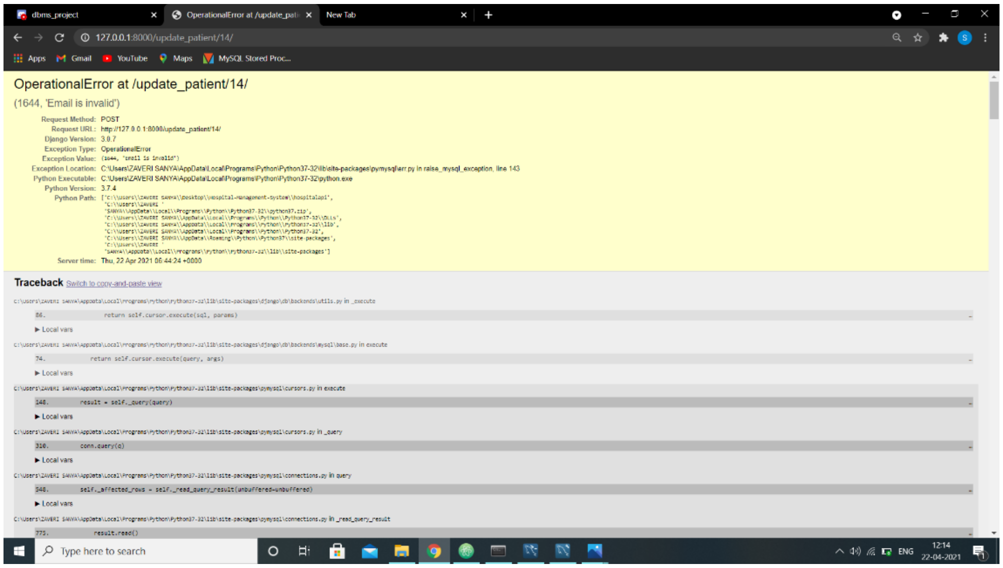
Email Id: krisha123gmail.com

Emergency Number: 2940062290

Emergency Contact Name: Mayur Patel

Purpose: Diarrhea

Emergency Patient: ☑



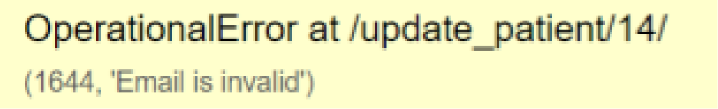
OperationalError at /update_patient/14/

(1644, 'Email is invalid')

```
   Request Method: POST
      Request URL: http://127.0.0.1:8000/update_patient/14/
   Django Version: 3.0.7
   Exception Type: OperationalError
  Exception Value: (1644, 'Email is invalid')
Exception Location: C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\err.py in raise_mysql_exception, line 143
Python Executable: C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\python.exe
   Python Version: 3.7.4
      Python Path: ['C:\\Users\\ZAVERI SANYA\\Desktop\\Hospital-Management-System\\hospitalapi',
                    'C:\\Users\\ZAVERI '
                    'SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\python37.zip',
                    'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\DLLs',
                    'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\lib',
                    'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32',
                    'C:\\Users\\ZAVERI SANYA\\AppData\\Roaming\\Python\\Python37\\site-packages',
                    'C:\\Users\\ZAVERI '
                    'SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\lib\\site-packages']
      Server time: Thu, 22 Apr 2021 06:44:24 +0000
```

Traceback Switch to copy-and-paste view

```
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\django\db\backends\utils.py in _execute
    86.                 return self.cursor.execute(sql, params)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\django\db\backends\mysql\base.py in execute
    74.             return self.cursor.execute(query, args)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\cursors.py in execute
    148.        result = self._query(query)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\cursors.py in _query
    310.        conn.query(q)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\connections.py in query
    548.        self._affected_rows = self._read_query_result(unbuffered=unbuffered)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\connections.py in _read_query_result
    775.            result.read()
```

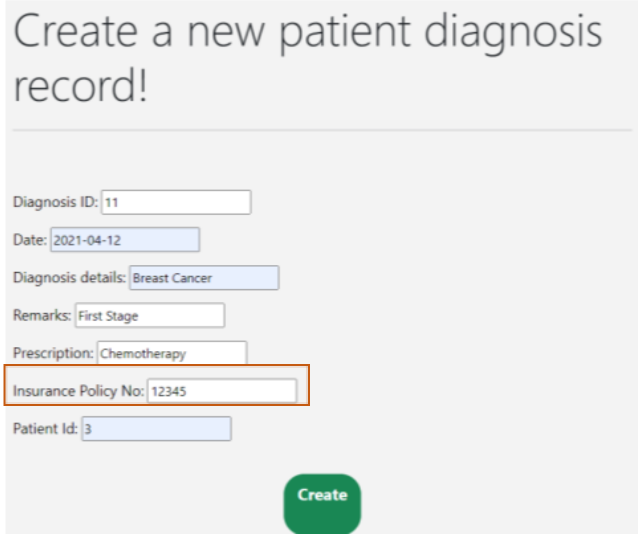


OperationalError at /update_patient/14/

(1644, 'Email is invalid')

5. The trigger gives error for patient's insurance policy number that is not equal to 11 digits while creating or updating a new record in the patient diagnosis table.

```
#  insurance policy not greater than 11 digits
drop trigger if exists policy_check;
delimiter $$
create trigger policy_check before insert on patient_diagnosis for each row
begin
    if length(new.Insurance_Policy_No) != 11 then signal sqlstate value '21000' set message_text = 'Please enter valid policy_number';
end if;
end $$
delimiter ;
```



Create a new patient diagnosis record!

Diagnosis ID: 11

Date: 2021-04-12

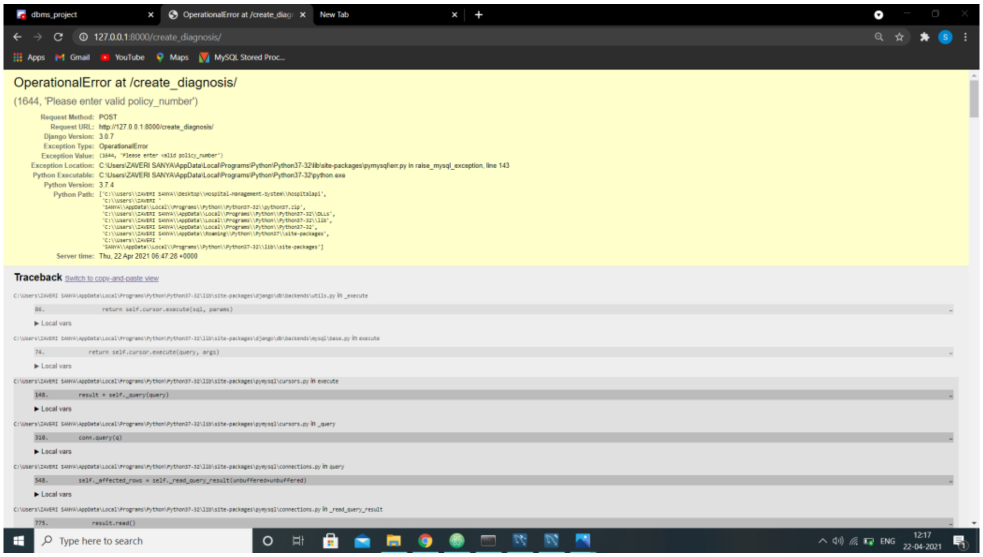
Diagnosis details: Breast Cancer

Remarks: First Stage

Prescription: Chemotherapy

Insurance Policy No: 12345

Patient Id: 3



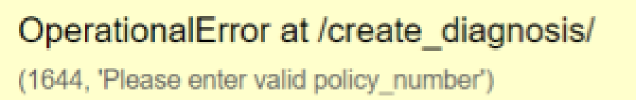
OperationalError at /create_diagnosis/

(1644, 'Please enter valid policy_number')

```
     Request Method: POST
        Request URL: http://127.0.0.1:8000/create_diagnosis/
     Django Version: 3.0.7
     Exception Type: OperationalError
    Exception Value: (1644, 'Please enter valid policy_number')
 Exception Location: C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\err.py in raise_mysql_exception, line 143
  Python Executable: C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\python.exe
     Python Version: 3.7.4
        Python Path: ['C:\\Users\\ZAVERI SANYA\\Desktop\\Hospital-management-system\\hospitalapi',
                      'C:\\Users\\ZAVERI '
                      'SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\python37.zip',
                      'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\DLLs',
                      'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\lib',
                      'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32',
                      'C:\\Users\\ZAVERI SANYA\\AppData\\Roaming\\Python\\Python37\\site-packages',
                      'C:\\Users\\ZAVERI '
                      'SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\lib\\site-packages']
        Server time: Thu, 22 Apr 2021 06:47:28 +0000
```

Traceback Switch to copy-and-paste view

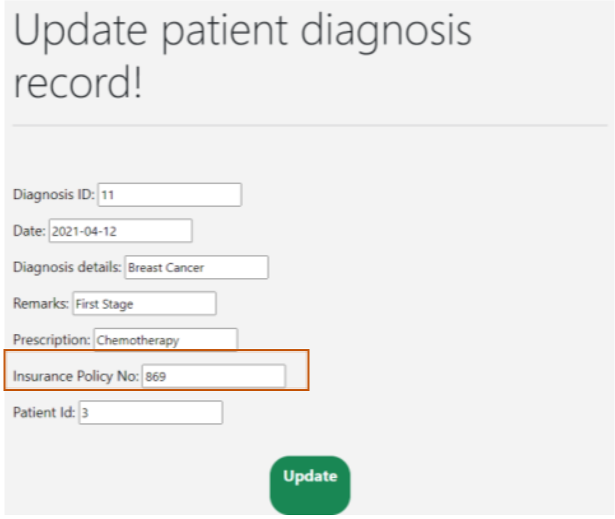
```
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\django\db\backends\utils.py in _execute
    86.                 return self.cursor.execute(sql, params)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\django\db\backends\mysql\base.py in execute
    74.             return self.cursor.execute(query, args)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\cursors.py in execute
    148.        result = self._query(query)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\cursors.py in _query
    310.        conn.query(q)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\connections.py in query
    548.        self._affected_rows = self._read_query_result(unbuffered=unbuffered)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\connections.py in _read_query_result
    775.            result.read()
```



OperationalError at /create_diagnosis/

(1644, 'Please enter valid policy_number')

```
drop trigger if exists policy_check_update;
delimiter $$
create trigger policy_check_update before update on patient_diagnosis for each row
begin
    if length(new.Insurance_Policy_No) != 11 then signal sqlstate value '21000' set message_text = 'Please enter valid policy_number';
end if;
end $$
delimiter ;
```



Update patient diagnosis record!

Diagnosis ID: 11

Date: 2021-04-12

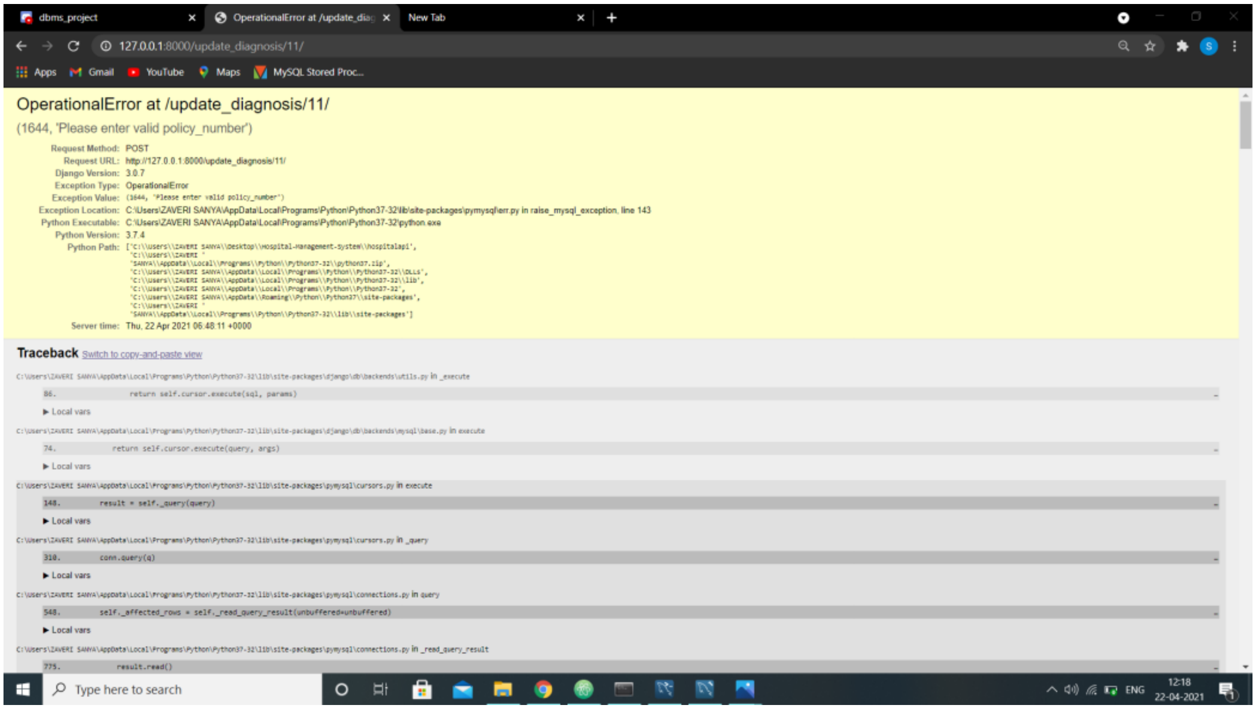
Diagnosis details: Breast Cancer

Remarks: First Stage

Prescription: Chemotherapy

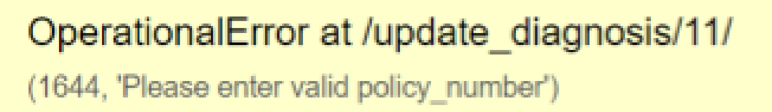
Insurance Policy No: 869

Patient Id: 3



dbms_project
OperationalError at /update_diag
New Tab
127.0.0.1:8000/update_diagnosis/11/
Apps
Gmail
YouTube
Maps
MySQL Stored Proc...

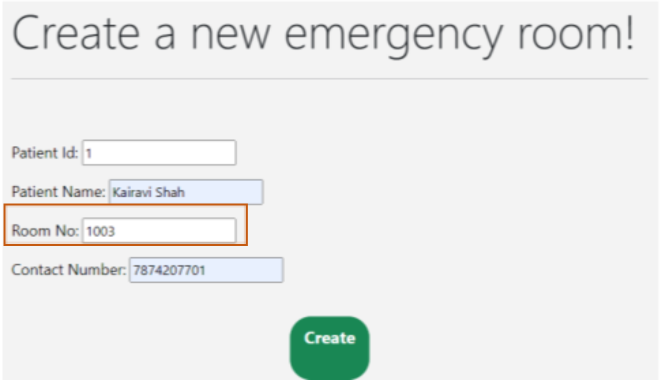
```
OperationalError at /update_diagnosis/11/
(1644, 'Please enter valid policy_number')

      Request Method: POST
         Request URL: http://127.0.0.1:8000/update_diagnosis/11/
      Django Version: 3.0.7
      Exception Type: OperationalError
     Exception Value: (1644, 'Please enter valid policy_number')
  Exception Location: C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\err.py in raise_mysql_exception, line 143
   Python Executable: C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\python.exe
      Python Version: 3.7.4
         Python Path: ['C:\\Users\\ZAVERI SANYA\\Desktop\\Hospital-Management-System\\hospitalapi',
                       'C:\\Users\\ZAVERI '
                       'SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\python37.zip',
                       'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\DLLs',
                       'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\lib',
                       'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32',
                       'C:\\Users\\ZAVERI SANYA\\AppData\\Roaming\\Python\\Python37\\site-packages',
                       'C:\\Users\\ZAVERI '
                       'SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\lib\\site-packages']
         Server time: Thu, 22 Apr 2021 06:48:11 +0000

Traceback Switch to copy-and-paste view

C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\django\db\backends\utils.py in _execute
    86.                 return self.cursor.execute(sql, params)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\django\db\backends\mysql\base.py in execute
    74.             return self.cursor.execute(query, args)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\cursors.py in execute
    148.        result = self._query(query)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\cursors.py in _query
    310.        conn.query(q)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\connections.py in query
    548.        self._affected_rows = self._read_query_result(unbuffered=unbuffered)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\connections.py in _read_query_result
    775.            result.read()
```



```
OperationalError at /update_diagnosis/11/
(1644, 'Please enter valid policy_number')
```

6. The trigger gives error for emergency room that is not equal to 1005 and 1006 while creating or updating a new record in the emergency_room_log for and emergency patient.

```
#emergency patient room number must be 1005 or 1006
drop trigger if exists emergency_room;
delimiter $$
create trigger emergency_room before insert on emergency_room_log for each row
begin
    if new.Room_No != 1005 AND new.Room_No != 1006 then signal sqlstate value '21000' set message_text = 'Please enter room no for emergency patients';
end if;
end $$
delimiter ;
```



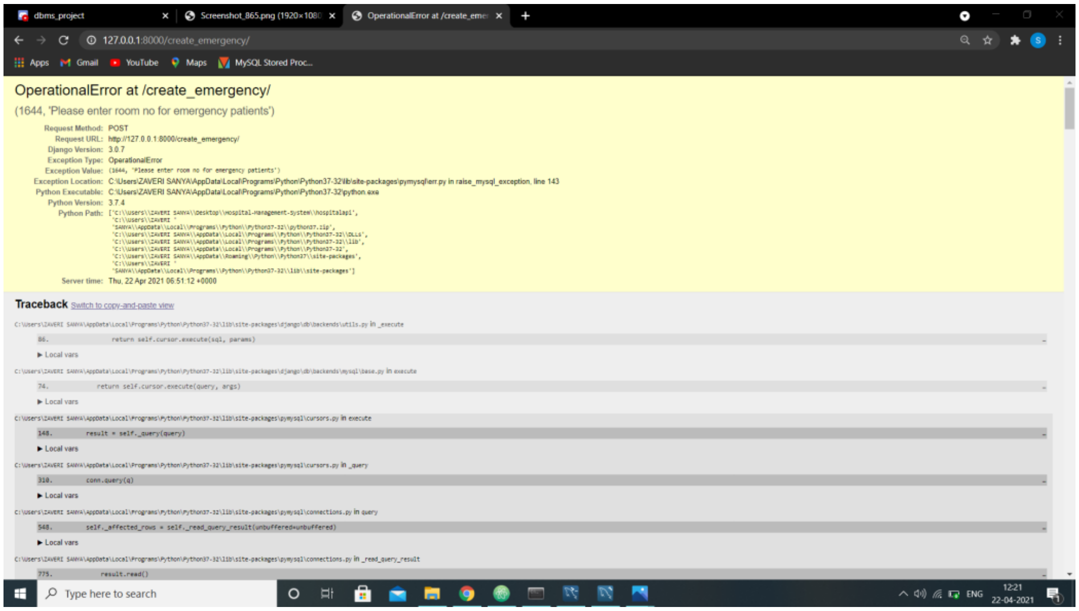
Create a new emergency room!

Patient Id: 1

Patient Name: Kairavi Shah

Room No: 1003

Contact Number: 7874207701



dbms_project
Screenshot_865.png (1920×1080
OperationalError at /create_emer
127.0.0.1:8000/create_emergency/
Apps
Gmail
YouTube
Maps
MySQL Stored Proc...
Type here to search
ENG
12:21
22-04-2021

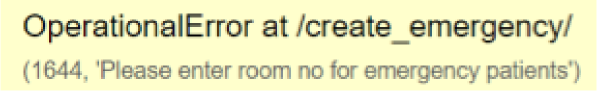
OperationalError at /create_emergency/

(1644, 'Please enter room no for emergency patients')

```
   Request Method: POST
      Request URL: http://127.0.0.1:8000/create_emergency/
   Django Version: 3.0.7
   Exception Type: OperationalError
  Exception Value: (1644, 'Please enter room no for emergency patients')
Exception Location: C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\err.py in raise_mysql_exception, line 143
Python Executable: C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\python.exe
   Python Version: 3.7.4
      Python Path: ['C:\\Users\\ZAVERI SANYA\\Desktop\\Hospital-Management-System\\hospitalapi',
                    'C:\\Users\\ZAVERI '
                    'SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\python37.zip',
                    'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\DLLs',
                    'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\lib',
                    'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32',
                    'C:\\Users\\ZAVERI SANYA\\AppData\\Roaming\\Python\\Python37\\site-packages',
                    'C:\\Users\\ZAVERI '
                    'SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\lib\\site-packages']
      Server time: Thu, 22 Apr 2021 06:51:12 +0000
```

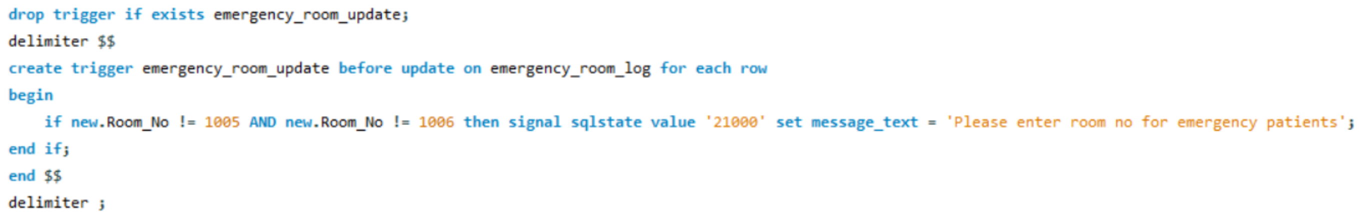
Traceback Switch to copy-and-paste view

```
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\django\db\backends\utils.py in _execute
    86.                 return self.cursor.execute(sql, params)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\django\db\backends\mysql\base.py in execute
    74.             return self.cursor.execute(query, args)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\cursors.py in execute
    148.        result = self._query(query)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\cursors.py in _query
    310.        conn.query(q)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\connections.py in query
    548.        self._affected_rows = self._read_query_result(unbuffered=unbuffered)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\connections.py in _read_query_result
    775.            result.read()
```

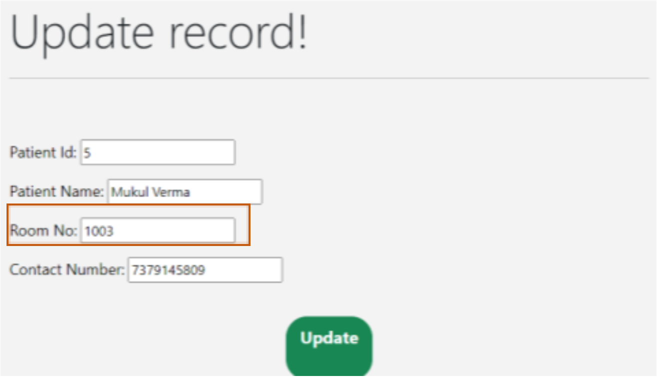


OperationalError at /create_emergency/

(1644, 'Please enter room no for emergency patients')



```
drop trigger if exists emergency_room_update;
delimiter $$
create trigger emergency_room_update before update on emergency_room_log for each row
begin
    if new.Room_No != 1005 AND new.Room_No != 1006 then signal sqlstate value '21000' set message_text = 'Please enter room no for emergency patients';
end if;
end $$
delimiter ;
```



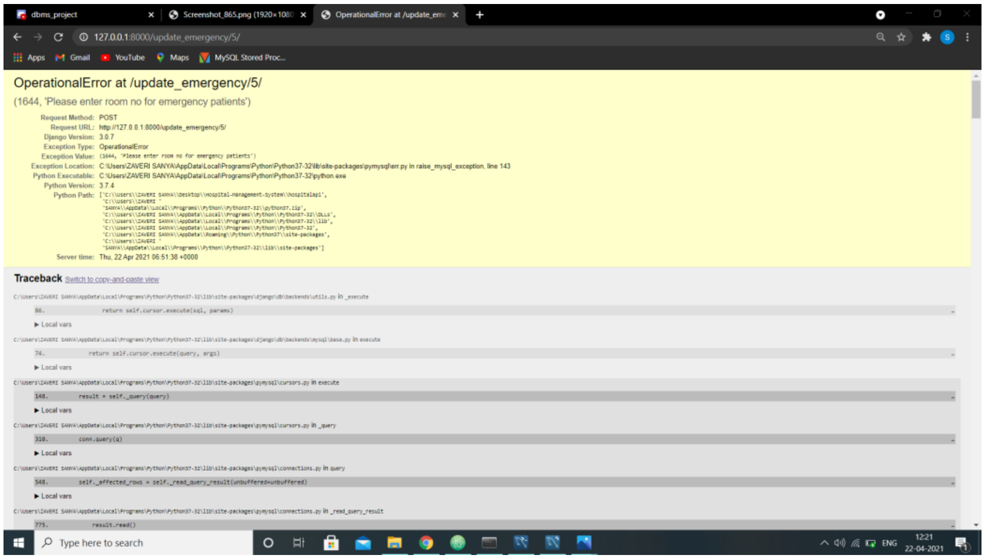
Update record!

Patient Id: 5

Patient Name: Mukul Verma

Room No: 1003

Contact Number: 7379145809



dbms_project
Screenshot_865.png (1920×1080
OperationalError at /update_eme
127.0.0.1:8000/update_emergency/5/
Apps
Gmail
YouTube
Maps
MySQL Stored Proc...
Type here to search
ENG
12:21
22-04-2021

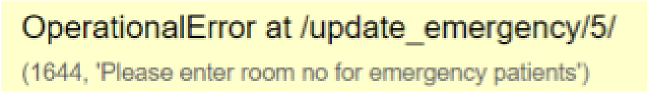
OperationalError at /update_emergency/5/

(1644, 'Please enter room no for emergency patients')

```
Request Method: POST
Request URL: http://127.0.0.1:8000/update_emergency/5/
Django Version: 3.0.7
Exception Type: OperationalError
Exception Value: (1644, 'Please enter room no for emergency patients')
Exception Location: C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\err.py in raise_mysql_exception, line 143
Python Executable: C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\python.exe
Python Version: 3.7.4
Python Path: ['C:\\Users\\ZAVERI SANYA\\Desktop\\Hospital-Management-System\\hospitalapi',
 'C:\\Users\\ZAVERI '
 'SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\python37.zip',
 'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\DLLs',
 'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\lib',
 'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32',
 'C:\\Users\\ZAVERI SANYA\\AppData\\Roaming\\Python\\Python37\\site-packages',
 'C:\\Users\\ZAVERI '
 'SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\lib\\site-packages']
Server time: Thu, 22 Apr 2021 06:51:38 +0000
```

Traceback Switch to copy-and-paste view

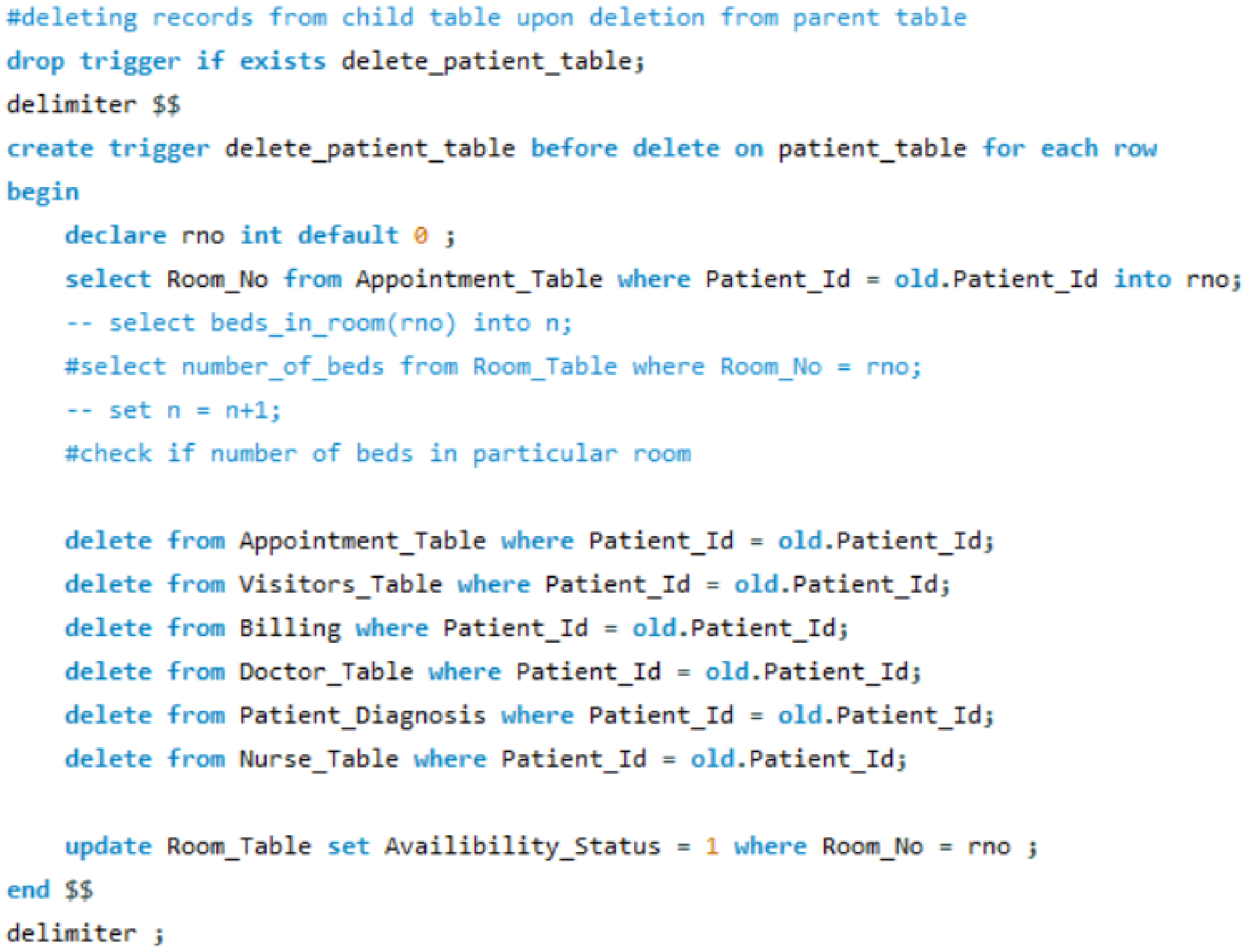
```
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\django\db\backends\utils.py in _execute
    86.                 return self.cursor.execute(sql, params)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\django\db\backends\mysql\base.py in execute
    74.             return self.cursor.execute(query, args)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\cursors.py in execute
    148.        result = self._query(query)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\cursors.py in _query
    310.        conn.query(q)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\connections.py in query
    548.        self._affected_rows = self._read_query_result(unbuffered=unbuffered)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\connections.py in _read_query_result
    775.            result.read()
```



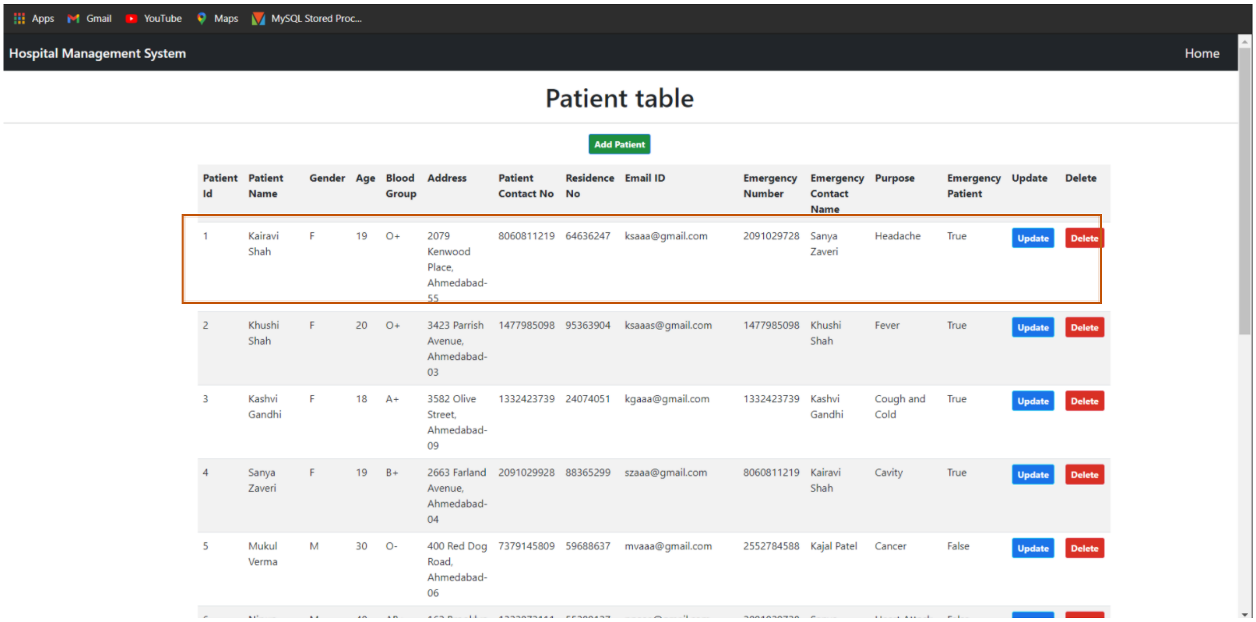
OperationalError at /update_emergency/5/

(1644, 'Please enter room no for emergency patients')

7. The trigger deleted the record in all the child tables upon deleting the record in parent table.



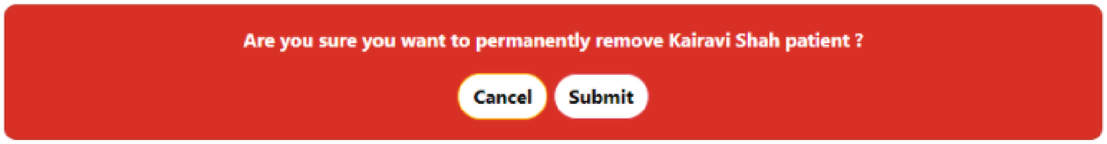
```
#deleting records from child table upon deletion from parent table
drop trigger if exists delete_patient_table;
delimiter $$
create trigger delete_patient_table before delete on patient_table for each row
begin
    declare rno int default 0 ;
    select Room_No from Appointment_Table where Patient_Id = old.Patient_Id into rno;
    -- select beds_in_room(rno) into n;
    #select number_of_beds from Room_Table where Room_No = rno;
    -- set n = n+1;
    #check if number of beds in particular room

    delete from Appointment_Table where Patient_Id = old.Patient_Id;
    delete from Visitors_Table where Patient_Id = old.Patient_Id;
    delete from Billing where Patient_Id = old.Patient_Id;
    delete from Doctor_Table where Patient_Id = old.Patient_Id;
    delete from Patient_Diagnosis where Patient_Id = old.Patient_Id;
    delete from Nurse_Table where Patient_Id = old.Patient_Id;

    update Room_Table set Availibility_Status = 1 where Room_No = rno ;
end $$
delimiter ;
```



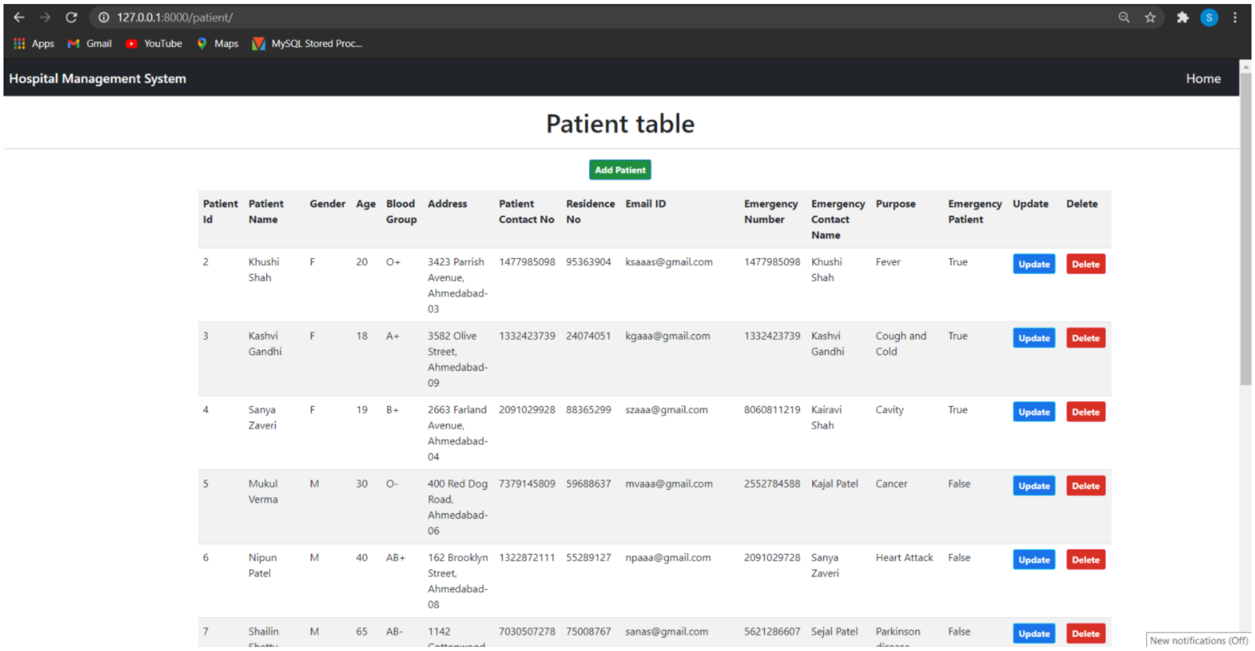
Patient table

Patient Id	Patient Name	Gender	Age	Blood Group	Address	Patient Contact No	Residence No	Email ID	Emergency Number	Emergency Contact Name	Purpose	Emergency Patient	Update	Delete
1	Kairavi Shah	F	19	O+	2079 Kenwood Place, Ahmedabad-55	8060811219	64636247	ksaaa@gmail.com	2091029728	Sanya Zaveri	Headache	True	Update	Delete
2	Khushi Shah	F	20	O+	3423 Parrish Avenue, Ahmedabad-03	1477985098	95363904	ksaaas@gmail.com	1477985098	Khushi Shah	Fever	True	Update	Delete
3	Kashvi Gandhi	F	18	A+	3582 Olive Street, Ahmedabad-09	1332423739	24074051	kgaaa@gmail.com	1332423739	Kashvi Gandhi	Cough and Cold	True	Update	Delete
4	Sanya Zaveri	F	19	B+	2663 Farland Avenue, Ahmedabad-04	2091029928	88365299	szaaa@gmail.com	8060811219	Kairavi Shah	Cavity	True	Update	Delete
5	Mukul Verma	M	30	O-	400 Red Dog Road, Ahmedabad-06	7379145809	59688637	mvaaa@gmail.com	2552784588	Kajal Patel	Cancer	False	Update	Delete

(before deleting)



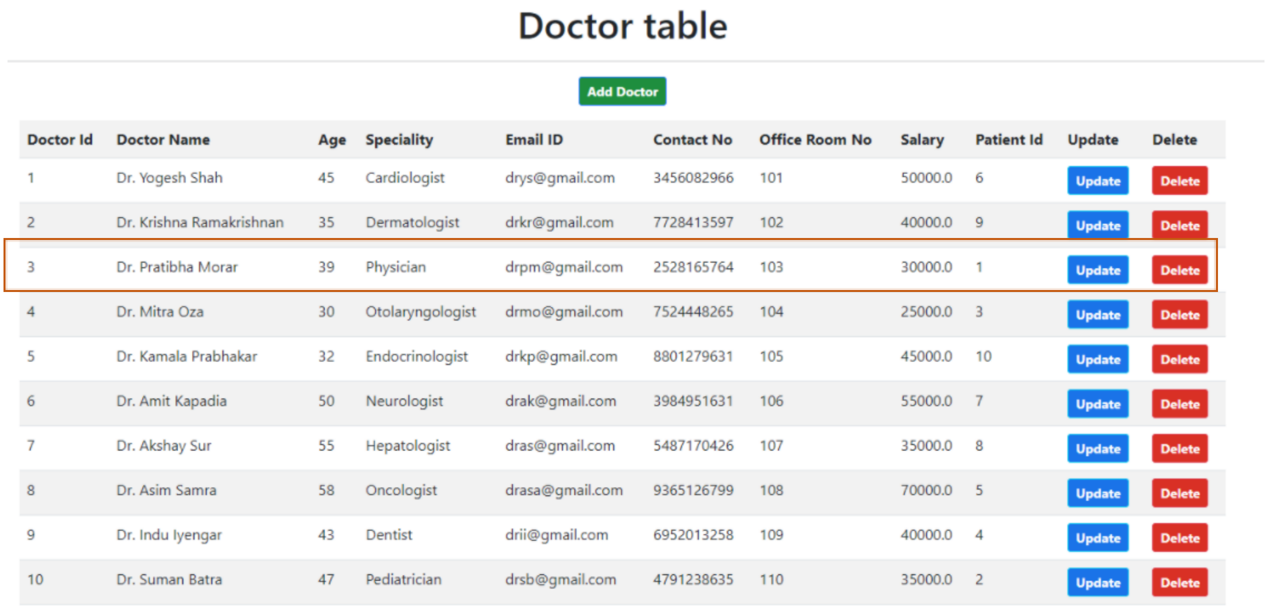
Are you sure you want to permanently remove Kairavi Shah patient ?



Patient table

Patient Id	Patient Name	Gender	Age	Blood Group	Address	Patient Contact No	Residence No	Email ID	Emergency Number	Emergency Contact Name	Purpose	Emergency Patient	Update	Delete
2	Khushi Shah	F	20	O+	3423 Parrish Avenue, Ahmedabad-03	1477985098	95363904	ksaaas@gmail.com	1477985098	Khushi Shah	Fever	True	Update	Delete
3	Kashvi Gandhi	F	18	A+	3582 Olive Street, Ahmedabad-09	1332423739	24074051	kgaaa@gmail.com	1332423739	Kashvi Gandhi	Cough and Cold	True	Update	Delete
4	Sanya Zaveri	F	19	B+	2663 Farland Avenue, Ahmedabad-04	2091029928	88365299	szaaa@gmail.com	8060811219	Kairavi Shah	Cavity	True	Update	Delete
5	Mukul Verma	M	30	O-	400 Red Dog Road, Ahmedabad-06	7379145809	59688637	mvaaa@gmail.com	2552784588	Kajal Patel	Cancer	False	Update	Delete
6	Nipun Patel	M	40	AB+	162 Brooklyn Street, Ahmedabad-08	1322872111	55289127	npaaa@gmail.com	2091029728	Sanya Zaveri	Heart Attack	False	Update	Delete
7	Shailin	M	65	AB-	1142	7030507278	75008767	sanas@gmail.com	5621286607	Sejal Patel	Parkinson	False	Update	Delete

(after deleting a record where patient_id = 1)

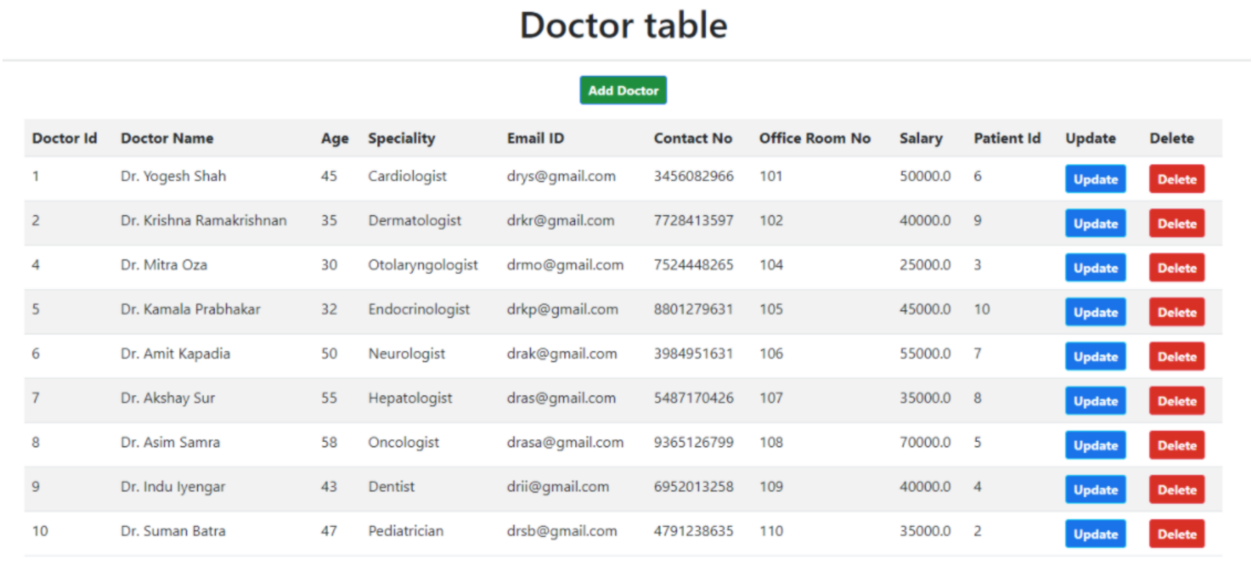


Doctor table

Add Doctor

Doctor Id	Doctor Name	Age	Speciality	Email ID	Contact No	Office Room No	Salary	Patient Id	Update	Delete
1	Dr. Yogesh Shah	45	Cardiologist	drys@gmail.com	3456082966	101	50000.0	6	Update	Delete
2	Dr. Krishna Ramakrishnan	35	Dermatologist	drkr@gmail.com	7728413597	102	40000.0	9	Update	Delete
3	Dr. Pratibha Morar	39	Physician	drpm@gmail.com	2528165764	103	30000.0	1	Update	Delete
4	Dr. Mitra Oza	30	Otolaryngologist	drmo@gmail.com	7524448265	104	25000.0	3	Update	Delete
5	Dr. Kamala Prabhakar	32	Endocrinologist	drkp@gmail.com	8801279631	105	45000.0	10	Update	Delete
6	Dr. Amit Kapadia	50	Neurologist	drak@gmail.com	3984951631	106	55000.0	7	Update	Delete
7	Dr. Akshay Sur	55	Hepatologist	dras@gmail.com	5487170426	107	35000.0	8	Update	Delete
8	Dr. Asim Samra	58	Oncologist	drasa@gmail.com	9365126799	108	70000.0	5	Update	Delete
9	Dr. Indu Iyengar	43	Dentist	drii@gmail.com	6952013258	109	40000.0	4	Update	Delete
10	Dr. Suman Batra	47	Pediatrician	drsb@gmail.com	4791238635	110	35000.0	2	Update	Delete

(before deletion)

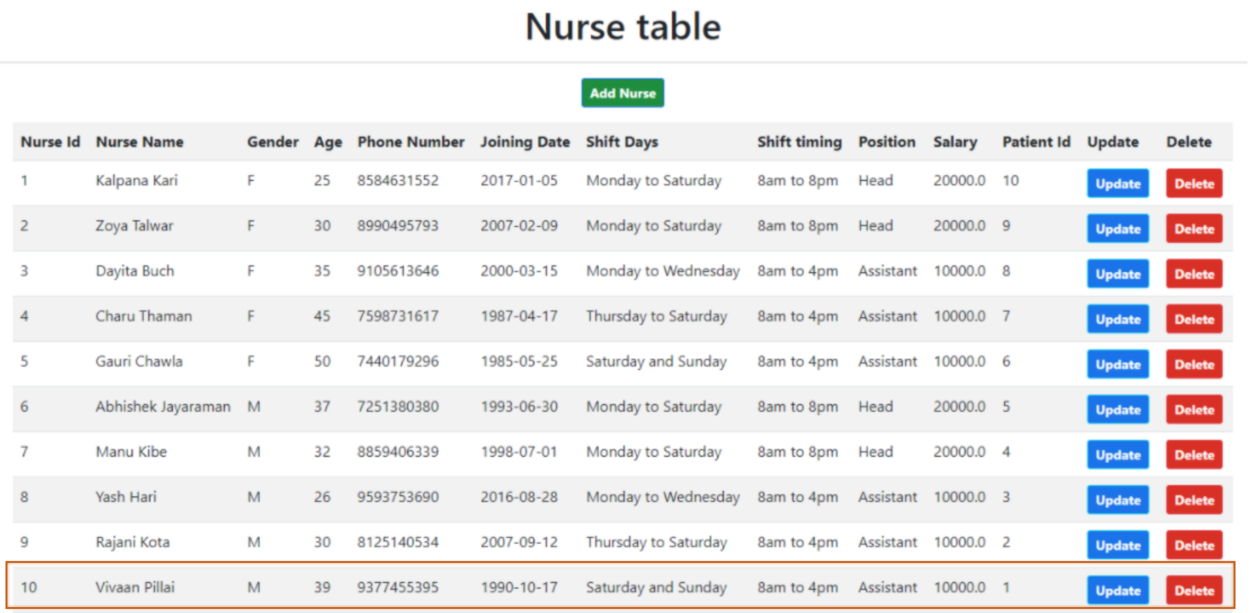


Doctor table

Add Doctor

Doctor Id	Doctor Name	Age	Speciality	Email ID	Contact No	Office Room No	Salary	Patient Id	Update	Delete
1	Dr. Yogesh Shah	45	Cardiologist	drys@gmail.com	3456082966	101	50000.0	6	Update	Delete
2	Dr. Krishna Ramakrishnan	35	Dermatologist	drkr@gmail.com	7728413597	102	40000.0	9	Update	Delete
4	Dr. Mitra Oza	30	Otolaryngologist	drmo@gmail.com	7524448265	104	25000.0	3	Update	Delete
5	Dr. Kamala Prabhakar	32	Endocrinologist	drkp@gmail.com	8801279631	105	45000.0	10	Update	Delete
6	Dr. Amit Kapadia	50	Neurologist	drak@gmail.com	3984951631	106	55000.0	7	Update	Delete
7	Dr. Akshay Sur	55	Hepatologist	dras@gmail.com	5487170426	107	35000.0	8	Update	Delete
8	Dr. Asim Samra	58	Oncologist	drasa@gmail.com	9365126799	108	70000.0	5	Update	Delete
9	Dr. Indu Iyengar	43	Dentist	drii@gmail.com	6952013258	109	40000.0	4	Update	Delete
10	Dr. Suman Batra	47	Pediatrician	drsb@gmail.com	4791238635	110	35000.0	2	Update	Delete

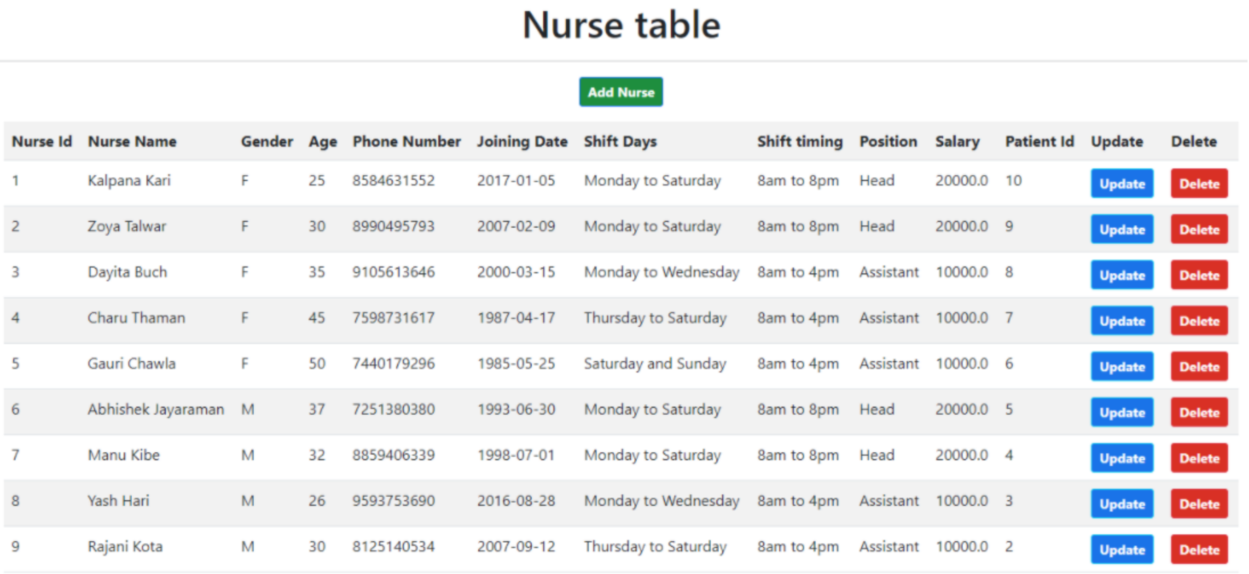
(after deletion)



Nurse table

Nurse Id	Nurse Name	Gender	Age	Phone Number	Joining Date	Shift Days	Shift timing	Position	Salary	Patient Id	Update	Delete
1	Kalpana Kari	F	25	8584631552	2017-01-05	Monday to Saturday	8am to 8pm	Head	20000.0	10	Update	Delete
2	Zoya Talwar	F	30	8990495793	2007-02-09	Monday to Saturday	8am to 8pm	Head	20000.0	9	Update	Delete
3	Dayita Buch	F	35	9105613646	2000-03-15	Monday to Wednesday	8am to 4pm	Assistant	10000.0	8	Update	Delete
4	Charu Thaman	F	45	7598731617	1987-04-17	Thursday to Saturday	8am to 4pm	Assistant	10000.0	7	Update	Delete
5	Gauri Chawla	F	50	7440179296	1985-05-25	Saturday and Sunday	8am to 4pm	Assistant	10000.0	6	Update	Delete
6	Abhishek Jayaraman	M	37	7251380380	1993-06-30	Monday to Saturday	8am to 8pm	Head	20000.0	5	Update	Delete
7	Manu Kibe	M	32	8859406339	1998-07-01	Monday to Saturday	8am to 8pm	Head	20000.0	4	Update	Delete
8	Yash Hari	M	26	9593753690	2016-08-28	Monday to Wednesday	8am to 4pm	Assistant	10000.0	3	Update	Delete
9	Rajani Kota	M	30	8125140534	2007-09-12	Thursday to Saturday	8am to 4pm	Assistant	10000.0	2	Update	Delete
10	Vivaan Pillai	M	39	9377455395	1990-10-17	Saturday and Sunday	8am to 4pm	Assistant	10000.0	1	Update	Delete

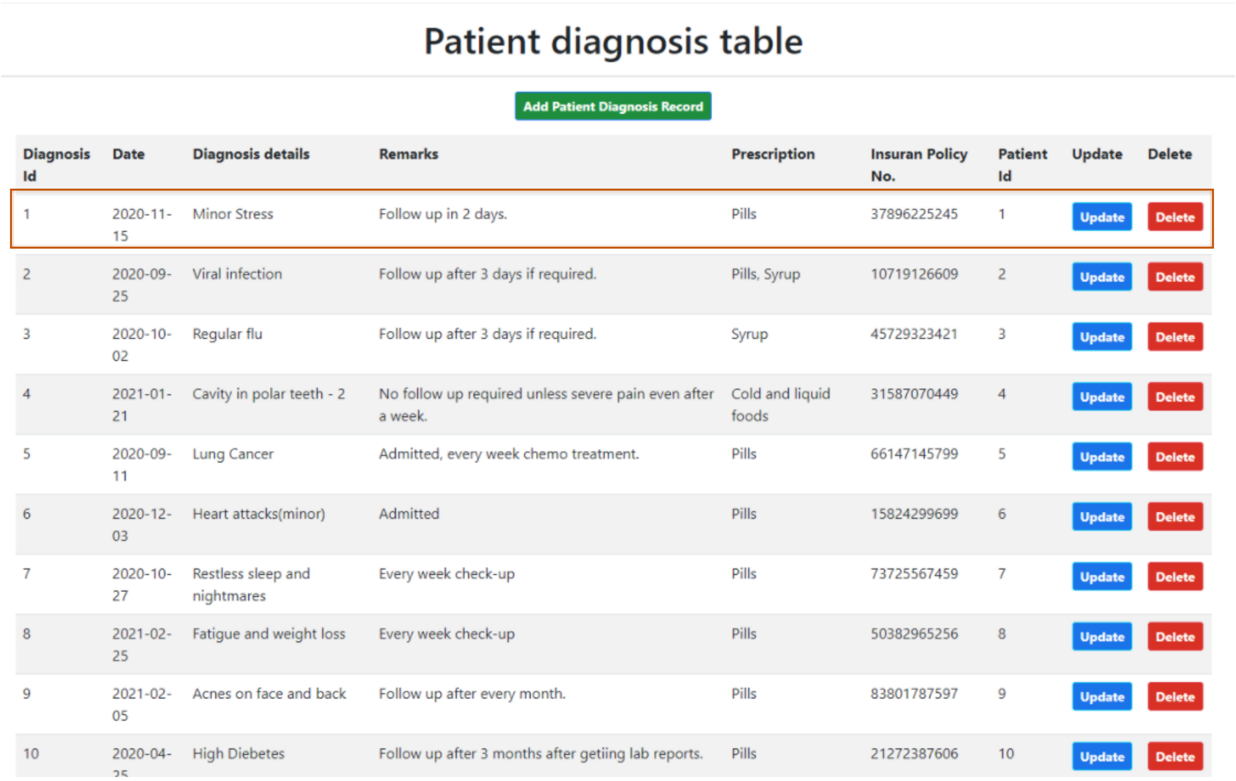
(before deletion)



Nurse table

Nurse Id	Nurse Name	Gender	Age	Phone Number	Joining Date	Shift Days	Shift timing	Position	Salary	Patient Id	Update	Delete
1	Kalpana Kari	F	25	8584631552	2017-01-05	Monday to Saturday	8am to 8pm	Head	20000.0	10	Update	Delete
2	Zoya Talwar	F	30	8990495793	2007-02-09	Monday to Saturday	8am to 8pm	Head	20000.0	9	Update	Delete
3	Dayita Buch	F	35	9105613646	2000-03-15	Monday to Wednesday	8am to 4pm	Assistant	10000.0	8	Update	Delete
4	Charu Thaman	F	45	7598731617	1987-04-17	Thursday to Saturday	8am to 4pm	Assistant	10000.0	7	Update	Delete
5	Gauri Chawla	F	50	7440179296	1985-05-25	Saturday and Sunday	8am to 4pm	Assistant	10000.0	6	Update	Delete
6	Abhishek Jayaraman	M	37	7251380380	1993-06-30	Monday to Saturday	8am to 8pm	Head	20000.0	5	Update	Delete
7	Manu Kibe	M	32	8859406339	1998-07-01	Monday to Saturday	8am to 8pm	Head	20000.0	4	Update	Delete
8	Yash Hari	M	26	9593753690	2016-08-28	Monday to Wednesday	8am to 4pm	Assistant	10000.0	3	Update	Delete
9	Rajani Kota	M	30	8125140534	2007-09-12	Thursday to Saturday	8am to 4pm	Assistant	10000.0	2	Update	Delete

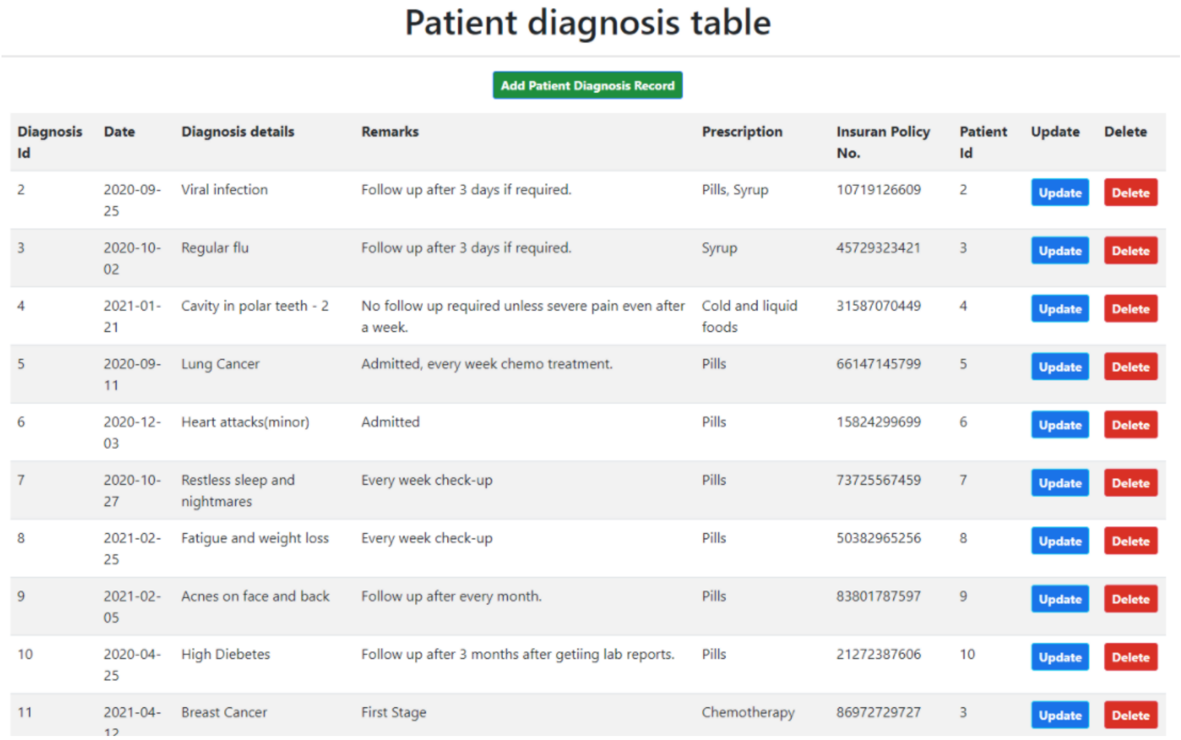
(after deletion)



Patient diagnosis table

Diagnosis Id	Date	Diagnosis details	Remarks	Prescription	Insuran Policy No.	Patient Id	Update	Delete
1	2020-11-15	Minor Stress	Follow up in 2 days.	Pills	37896225245	1	Update	Delete
2	2020-09-25	Viral infection	Follow up after 3 days if required.	Pills, Syrup	10719126609	2	Update	Delete
3	2020-10-02	Regular flu	Follow up after 3 days if required.	Syrup	45729323421	3	Update	Delete
4	2021-01-21	Cavity in polar teeth - 2	No follow up required unless severe pain even after a week.	Cold and liquid foods	31587070449	4	Update	Delete
5	2020-09-11	Lung Cancer	Admitted, every week chemo treatment.	Pills	66147145799	5	Update	Delete
6	2020-12-03	Heart attacks(minor)	Admitted	Pills	15824299699	6	Update	Delete
7	2020-10-27	Restless sleep and nightmares	Every week check-up	Pills	73725567459	7	Update	Delete
8	2021-02-25	Fatigue and weight loss	Every week check-up	Pills	50382965256	8	Update	Delete
9	2021-02-05	Acnes on face and back	Follow up after every month.	Pills	83801787597	9	Update	Delete
10	2020-04-25	High Diebetes	Follow up after 3 months after getiing lab reports.	Pills	21272387606	10	Update	Delete

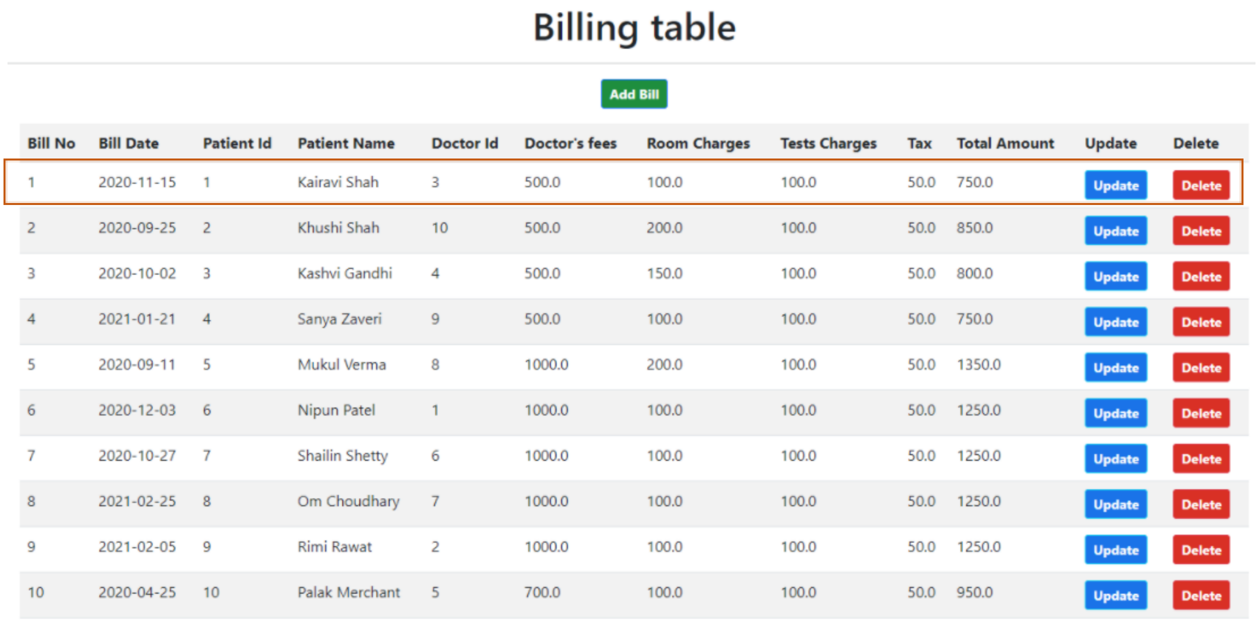
(before deletion)



Patient diagnosis table

Diagnosis Id	Date	Diagnosis details	Remarks	Prescription	Insuran Policy No.	Patient Id	Update	Delete
2	2020-09-25	Viral infection	Follow up after 3 days if required.	Pills, Syrup	10719126609	2	Update	Delete
3	2020-10-02	Regular flu	Follow up after 3 days if required.	Syrup	45729323421	3	Update	Delete
4	2021-01-21	Cavity in polar teeth - 2	No follow up required unless severe pain even after a week.	Cold and liquid foods	31587070449	4	Update	Delete
5	2020-09-11	Lung Cancer	Admitted, every week chemo treatment.	Pills	66147145799	5	Update	Delete
6	2020-12-03	Heart attacks(minor)	Admitted	Pills	15824299699	6	Update	Delete
7	2020-10-27	Restless sleep and nightmares	Every week check-up	Pills	73725567459	7	Update	Delete
8	2021-02-25	Fatigue and weight loss	Every week check-up	Pills	50382965256	8	Update	Delete
9	2021-02-05	Acnes on face and back	Follow up after every month.	Pills	83801787597	9	Update	Delete
10	2020-04-25	High Diebetes	Follow up after 3 months after getiing lab reports.	Pills	21272387606	10	Update	Delete
11	2021-04-12	Breast Cancer	First Stage	Chemotherapy	86972729727	3	Update	Delete

(after deletion)

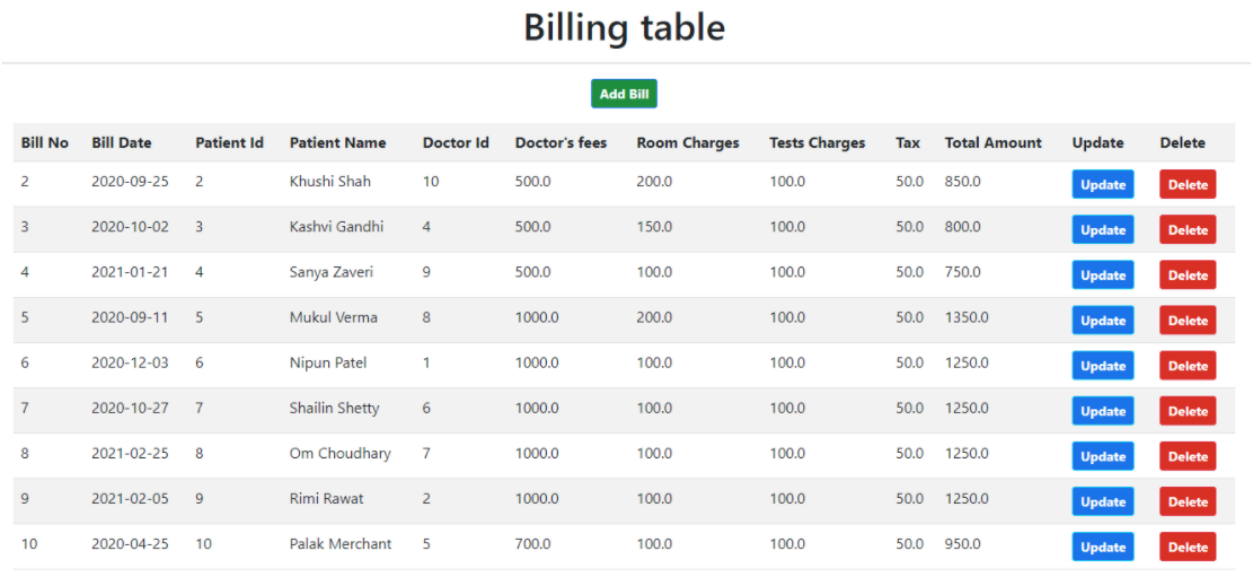


Billing table

Add Bill

Bill No	Bill Date	Patient Id	Patient Name	Doctor Id	Doctor's fees	Room Charges	Tests Charges	Tax	Total Amount	Update	Delete
1	2020-11-15	1	Kairavi Shah	3	500.0	100.0	100.0	50.0	750.0	Update	Delete
2	2020-09-25	2	Khushi Shah	10	500.0	200.0	100.0	50.0	850.0	Update	Delete
3	2020-10-02	3	Kashvi Gandhi	4	500.0	150.0	100.0	50.0	800.0	Update	Delete
4	2021-01-21	4	Sanya Zaveri	9	500.0	100.0	100.0	50.0	750.0	Update	Delete
5	2020-09-11	5	Mukul Verma	8	1000.0	200.0	100.0	50.0	1350.0	Update	Delete
6	2020-12-03	6	Nipun Patel	1	1000.0	100.0	100.0	50.0	1250.0	Update	Delete
7	2020-10-27	7	Shailin Shetty	6	1000.0	100.0	100.0	50.0	1250.0	Update	Delete
8	2021-02-25	8	Om Choudhary	7	1000.0	100.0	100.0	50.0	1250.0	Update	Delete
9	2021-02-05	9	Rimi Rawat	2	1000.0	100.0	100.0	50.0	1250.0	Update	Delete
10	2020-04-25	10	Palak Merchant	5	700.0	100.0	100.0	50.0	950.0	Update	Delete

(before deletion)

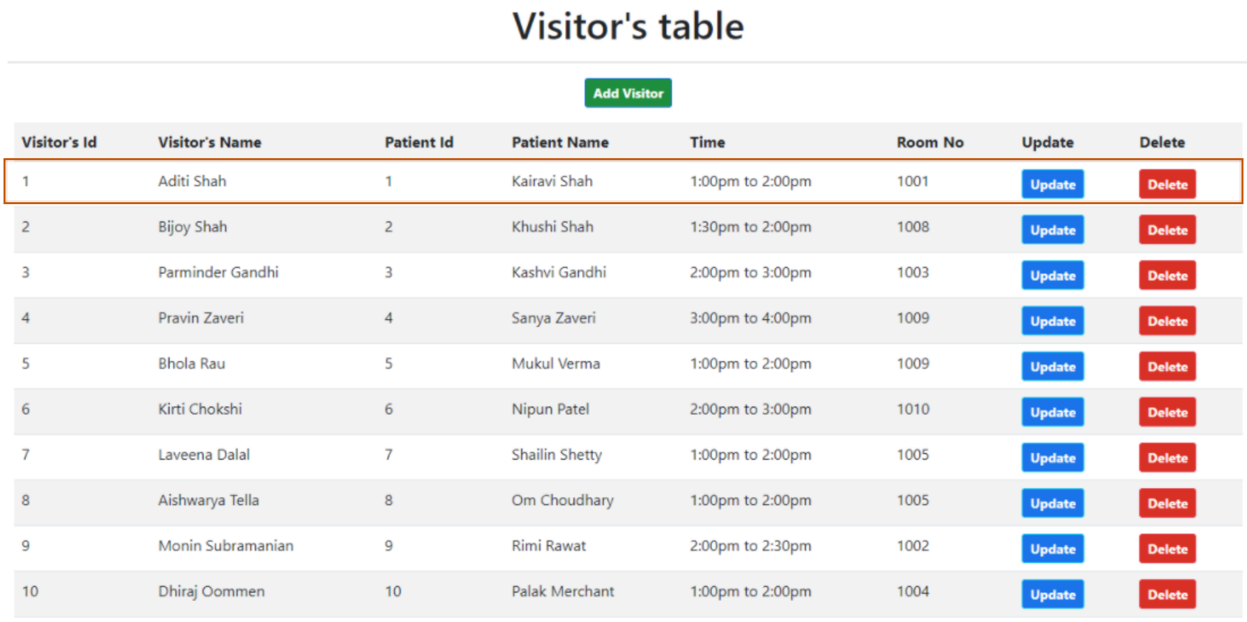


Billing table

Add Bill

Bill No	Bill Date	Patient Id	Patient Name	Doctor Id	Doctor's fees	Room Charges	Tests Charges	Tax	Total Amount	Update	Delete
2	2020-09-25	2	Khushi Shah	10	500.0	200.0	100.0	50.0	850.0	Update	Delete
3	2020-10-02	3	Kashvi Gandhi	4	500.0	150.0	100.0	50.0	800.0	Update	Delete
4	2021-01-21	4	Sanya Zaveri	9	500.0	100.0	100.0	50.0	750.0	Update	Delete
5	2020-09-11	5	Mukul Verma	8	1000.0	200.0	100.0	50.0	1350.0	Update	Delete
6	2020-12-03	6	Nipun Patel	1	1000.0	100.0	100.0	50.0	1250.0	Update	Delete
7	2020-10-27	7	Shailin Shetty	6	1000.0	100.0	100.0	50.0	1250.0	Update	Delete
8	2021-02-25	8	Om Choudhary	7	1000.0	100.0	100.0	50.0	1250.0	Update	Delete
9	2021-02-05	9	Rimi Rawat	2	1000.0	100.0	100.0	50.0	1250.0	Update	Delete
10	2020-04-25	10	Palak Merchant	5	700.0	100.0	100.0	50.0	950.0	Update	Delete

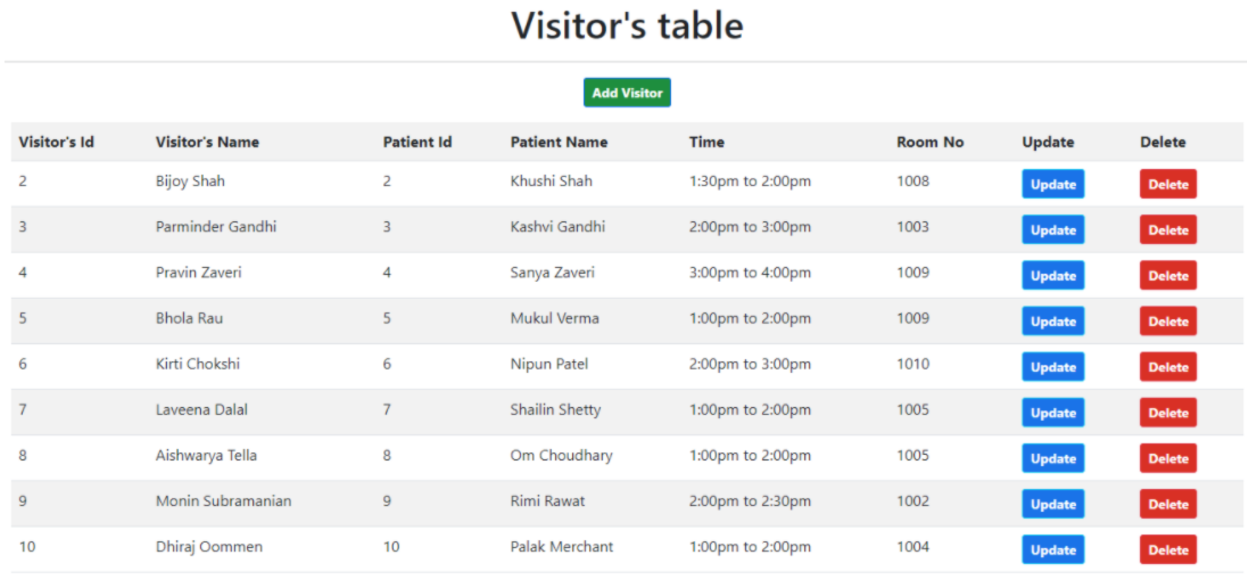
(after deletion)



Visitor's table

Visitor's Id	Visitor's Name	Patient Id	Patient Name	Time	Room No	Update	Delete
1	Aditi Shah	1	Kairavi Shah	1:00pm to 2:00pm	1001	Update	Delete
2	Bijoy Shah	2	Khushi Shah	1:30pm to 2:00pm	1008	Update	Delete
3	Parminder Gandhi	3	Kashvi Gandhi	2:00pm to 3:00pm	1003	Update	Delete
4	Pravin Zaveri	4	Sanya Zaveri	3:00pm to 4:00pm	1009	Update	Delete
5	Bhola Rau	5	Mukul Verma	1:00pm to 2:00pm	1009	Update	Delete
6	Kirti Chokshi	6	Nipun Patel	2:00pm to 3:00pm	1010	Update	Delete
7	Laveena Dalal	7	Shailin Shetty	1:00pm to 2:00pm	1005	Update	Delete
8	Aishwarya Tella	8	Om Choudhary	1:00pm to 2:00pm	1005	Update	Delete
9	Monin Subramanian	9	Rimi Rawat	2:00pm to 2:30pm	1002	Update	Delete
10	Dhiraj Oommen	10	Palak Merchant	1:00pm to 2:00pm	1004	Update	Delete

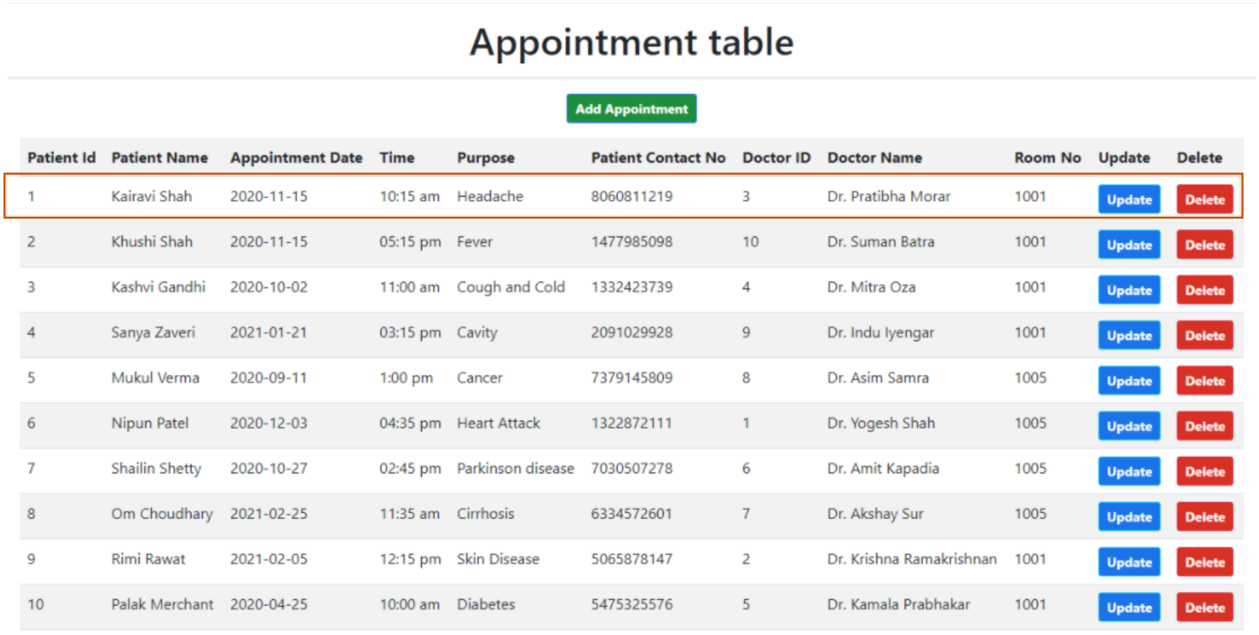
(before deletion)



Visitor's table

Visitor's Id	Visitor's Name	Patient Id	Patient Name	Time	Room No	Update	Delete
2	Bijoy Shah	2	Khushi Shah	1:30pm to 2:00pm	1008	Update	Delete
3	Parminder Gandhi	3	Kashvi Gandhi	2:00pm to 3:00pm	1003	Update	Delete
4	Pravin Zaveri	4	Sanya Zaveri	3:00pm to 4:00pm	1009	Update	Delete
5	Bhola Rau	5	Mukul Verma	1:00pm to 2:00pm	1009	Update	Delete
6	Kirti Chokshi	6	Nipun Patel	2:00pm to 3:00pm	1010	Update	Delete
7	Laveena Dalal	7	Shailin Shetty	1:00pm to 2:00pm	1005	Update	Delete
8	Aishwarya Tella	8	Om Choudhary	1:00pm to 2:00pm	1005	Update	Delete
9	Monin Subramanian	9	Rimi Rawat	2:00pm to 2:30pm	1002	Update	Delete
10	Dhiraj Oommen	10	Palak Merchant	1:00pm to 2:00pm	1004	Update	Delete

(after deletion)

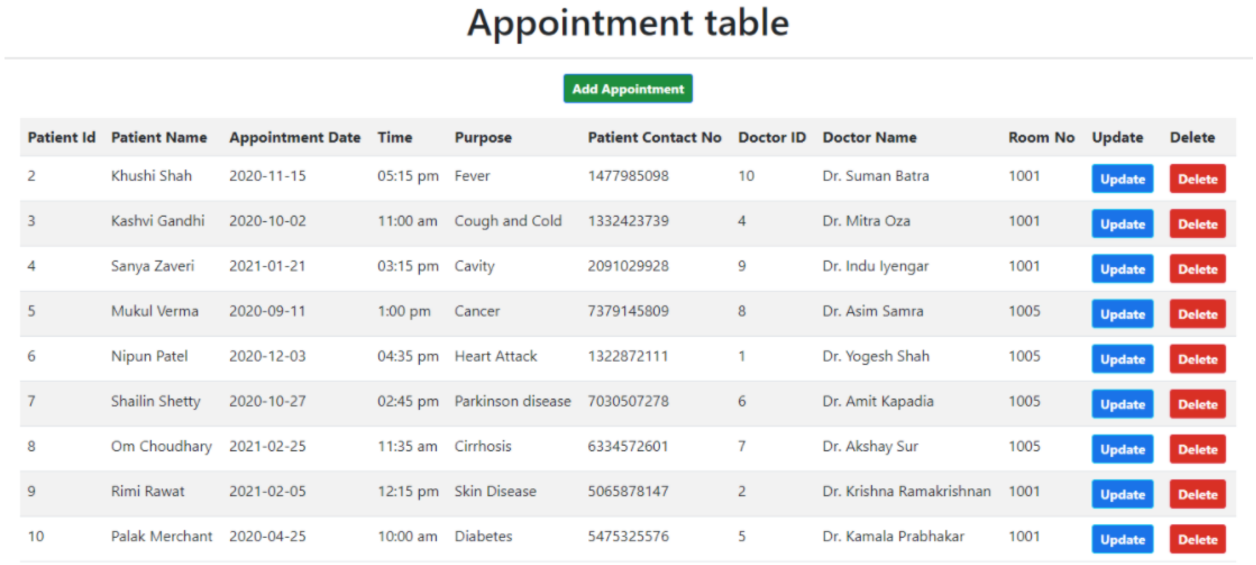


Appointment table

Add Appointment

Patient Id	Patient Name	Appointment Date	Time	Purpose	Patient Contact No	Doctor ID	Doctor Name	Room No	Update	Delete
1	Kairavi Shah	2020-11-15	10:15 am	Headache	8060811219	3	Dr. Pratibha Morar	1001	Update	Delete
2	Khushi Shah	2020-11-15	05:15 pm	Fever	1477985098	10	Dr. Suman Batra	1001	Update	Delete
3	Kashvi Gandhi	2020-10-02	11:00 am	Cough and Cold	1332423739	4	Dr. Mitra Oza	1001	Update	Delete
4	Sanya Zaveri	2021-01-21	03:15 pm	Cavity	2091029928	9	Dr. Indu Iyengar	1001	Update	Delete
5	Mukul Verma	2020-09-11	1:00 pm	Cancer	7379145809	8	Dr. Asim Samra	1005	Update	Delete
6	Nipun Patel	2020-12-03	04:35 pm	Heart Attack	1322872111	1	Dr. Yogesh Shah	1005	Update	Delete
7	Shailin Shetty	2020-10-27	02:45 pm	Parkinson disease	7030507278	6	Dr. Amit Kapadia	1005	Update	Delete
8	Om Choudhary	2021-02-25	11:35 am	Cirrhosis	6334572601	7	Dr. Akshay Sur	1005	Update	Delete
9	Rimi Rawat	2021-02-05	12:15 pm	Skin Disease	5065878147	2	Dr. Krishna Ramakrishnan	1001	Update	Delete
10	Palak Merchant	2020-04-25	10:00 am	Diabetes	5475325576	5	Dr. Kamala Prabhakar	1001	Update	Delete

(before deletion)

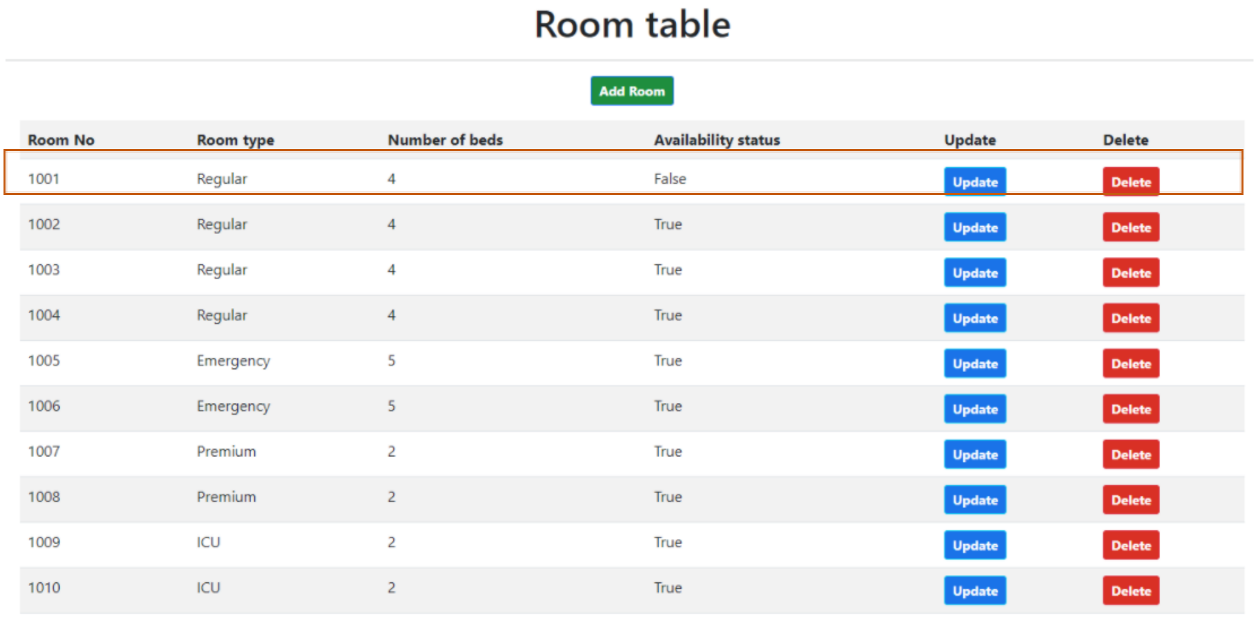


Appointment table

Add Appointment

Patient Id	Patient Name	Appointment Date	Time	Purpose	Patient Contact No	Doctor ID	Doctor Name	Room No	Update	Delete
2	Khushi Shah	2020-11-15	05:15 pm	Fever	1477985098	10	Dr. Suman Batra	1001	Update	Delete
3	Kashvi Gandhi	2020-10-02	11:00 am	Cough and Cold	1332423739	4	Dr. Mitra Oza	1001	Update	Delete
4	Sanya Zaveri	2021-01-21	03:15 pm	Cavity	2091029928	9	Dr. Indu Iyengar	1001	Update	Delete
5	Mukul Verma	2020-09-11	1:00 pm	Cancer	7379145809	8	Dr. Asim Samra	1005	Update	Delete
6	Nipun Patel	2020-12-03	04:35 pm	Heart Attack	1322872111	1	Dr. Yogesh Shah	1005	Update	Delete
7	Shailin Shetty	2020-10-27	02:45 pm	Parkinson disease	7030507278	6	Dr. Amit Kapadia	1005	Update	Delete
8	Om Choudhary	2021-02-25	11:35 am	Cirrhosis	6334572601	7	Dr. Akshay Sur	1005	Update	Delete
9	Rimi Rawat	2021-02-05	12:15 pm	Skin Disease	5065878147	2	Dr. Krishna Ramakrishnan	1001	Update	Delete
10	Palak Merchant	2020-04-25	10:00 am	Diabetes	5475325576	5	Dr. Kamala Prabhakar	1001	Update	Delete

(after deletion)

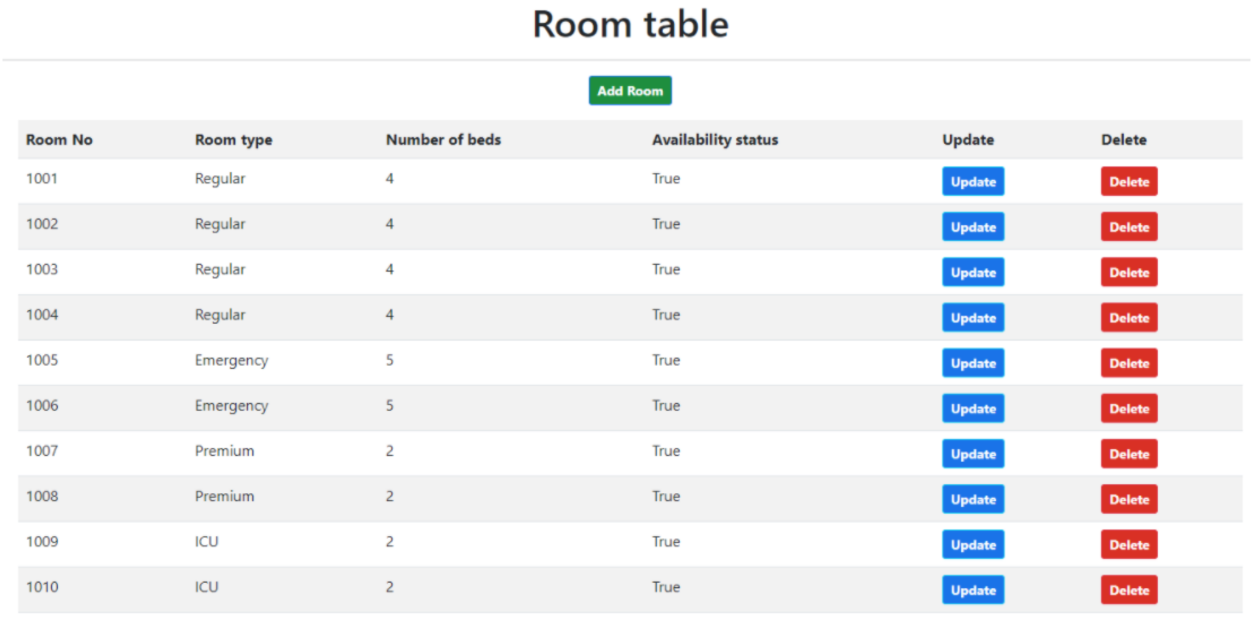


Room table

Add Room

Room No	Room type	Number of beds	Availability status	Update	Delete
1001	Regular	4	False	Update	Delete
1002	Regular	4	True	Update	Delete
1003	Regular	4	True	Update	Delete
1004	Regular	4	True	Update	Delete
1005	Emergency	5	True	Update	Delete
1006	Emergency	5	True	Update	Delete
1007	Premium	2	True	Update	Delete
1008	Premium	2	True	Update	Delete
1009	ICU	2	True	Update	Delete
1010	ICU	2	True	Update	Delete

(before deletion : no beds were available for room no 1001)



Room table

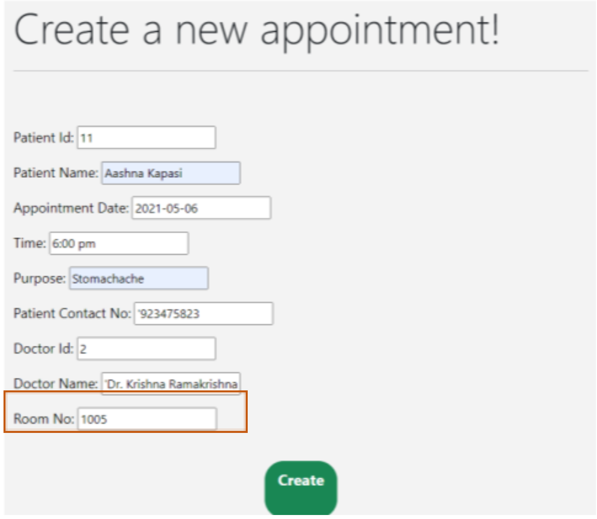
Add Room

Room No	Room type	Number of beds	Availability status	Update	Delete
1001	Regular	4	True	Update	Delete
1002	Regular	4	True	Update	Delete
1003	Regular	4	True	Update	Delete
1004	Regular	4	True	Update	Delete
1005	Emergency	5	True	Update	Delete
1006	Emergency	5	True	Update	Delete
1007	Premium	2	True	Update	Delete
1008	Premium	2	True	Update	Delete
1009	ICU	2	True	Update	Delete
1010	ICU	2	True	Update	Delete

(after deletion : a bed got available and the availibility status changes to true(available))

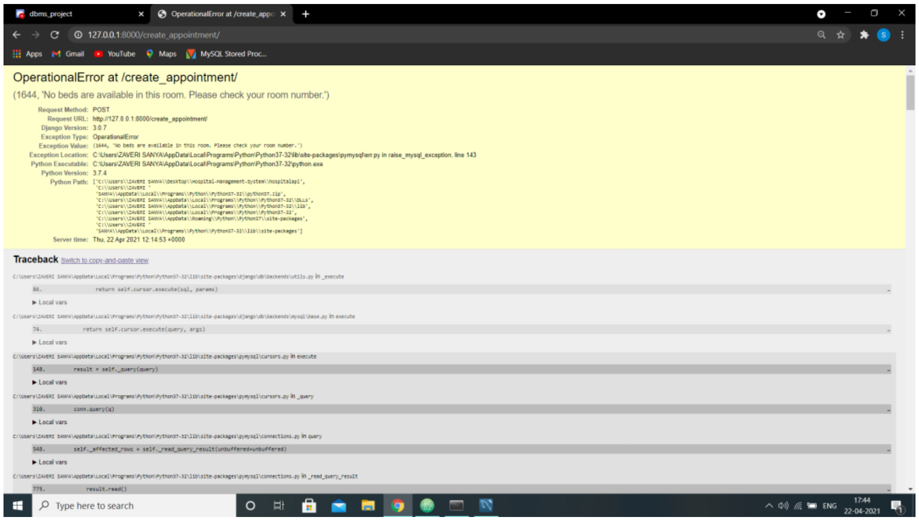
8. The trigger changes to availability status in Room_Table to “false” if all the beds in the room are occupied and later if a patient is allotted a bed in that room, it gives an error.

```
#on insert check if the room is available
drop trigger if exists room_availibility_insert;
delimiter $$
create trigger room_availibility_insert before insert on Appointment_Table for each row
begin
    declare n int default 1;
    select beds_in_room(new.Room_No) into n;
        if n = 0 then signal sqlstate value '21000' set message_text = 'No beds are available in this room. Please check your room number.';
    end if;

end $$
delimiter ;
```



Create a new appointment!

Patient Id:	11
Patient Name:	Aashna Kapasi
Appointment Date:	2021-05-06
Time:	6:00 pm
Purpose:	Stomachache
Patient Contact No:	'923475823
Doctor Id:	2
Doctor Name:	'Dr. Krishna Ramakrishna
Room No:	1005



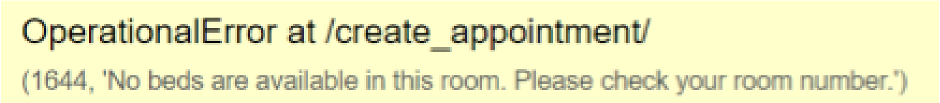
OperationalError at /create_appointment/

(1644, 'No beds are available in this room. Please check your room number.')

```
Request Method: POST
   Request URL: http://127.0.0.1:8000/create_appointment/
Django Version: 3.0.7
Exception Type: OperationalError
Exception Value: (1644, 'No beds are available in this room. Please check your room number.')
Exception Location: C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\err.py in raise_mysql_exception, line 143
Python Executable: C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\python.exe
Python Version: 3.7.4
   Python Path: ['C:\\Users\\ZAVERI SANYA\\Desktop\\Hospital-Management-System\\hospitalapi',
                 'C:\\Users\\ZAVERI '
                 'SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\python37.zip',
                 'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\DLLs',
                 'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\lib',
                 'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32',
                 'C:\\Users\\ZAVERI SANYA\\AppData\\Roaming\\Python\\Python37\\site-packages',
                 'C:\\Users\\ZAVERI '
                 'SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\lib\\site-packages']
   Server time: Thu, 22 Apr 2021 12:14:53 +0000
```

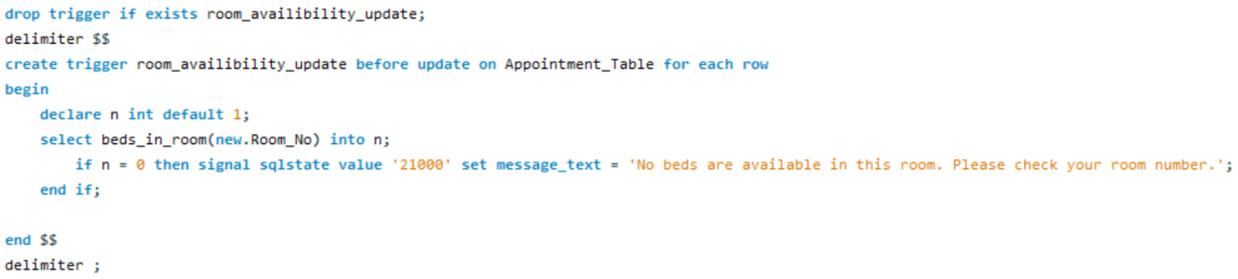
Traceback Switch to copy-and-paste view

```
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\django\db\backends\utils.py in _execute
    86.                 return self.cursor.execute(sql, params)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\django\db\backends\mysql\base.py in execute
    74.             return self.cursor.execute(query, args)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\cursors.py in execute
    148.        result = self._query(query)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\cursors.py in _query
    310.        conn.query(q)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\connections.py in query
    548.        self._affected_rows = self._read_query_result(unbuffered=unbuffered)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\connections.py in _read_query_result
    775.          result.read()
```

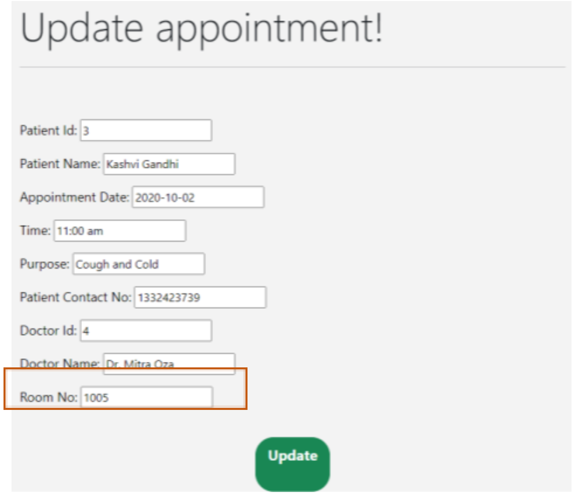


OperationalError at /create_appointment/

(1644, 'No beds are available in this room. Please check your room number.')

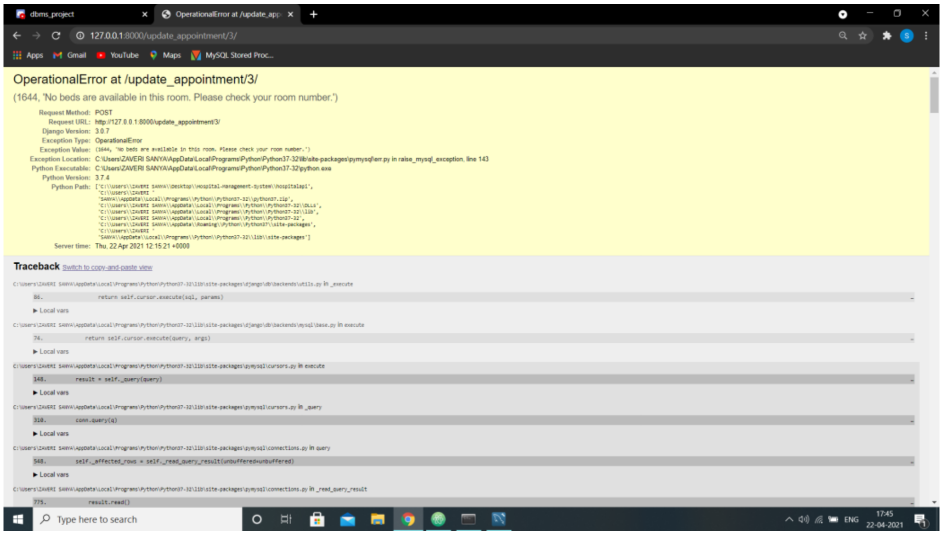


```
drop trigger if exists room_availibility_update;
delimiter $$
create trigger room_availibility_update before update on Appointment_Table for each row
begin
    declare n int default 1;
    select beds_in_room(new.Room_No) into n;
        if n = 0 then signal sqlstate value '21000' set message_text = 'No beds are available in this room. Please check your room number.';
    end if;

end $$
delimiter ;
```



Update appointment!

Patient Id:	3
Patient Name:	Kashvi Gandhi
Appointment Date:	2020-10-02
Time:	11:00 am
Purpose:	Cough and Cold
Patient Contact No:	1332423739
Doctor Id:	4
Doctor Name:	Dr. Mitra Oza
Room No:	1005



dbms_project
OperationalError at /update_app
127.0.0.1:8000/update_appointment/3/
Apps
Gmail
YouTube
Maps
MySQL Stored Proc...

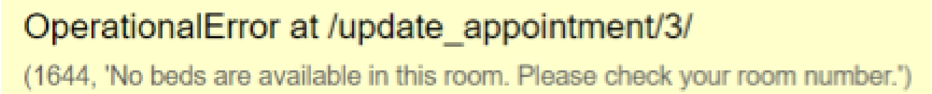
OperationalError at /update_appointment/3/

(1644, 'No beds are available in this room. Please check your room number.')

```
   Request Method: POST
      Request URL: http://127.0.0.1:8000/update_appointment/3/
   Django Version: 3.0.7
   Exception Type: OperationalError
  Exception Value: (1644, 'No beds are available in this room. Please check your room number.')
Exception Location: C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\err.py in raise_mysql_exception, line 143
Python Executable: C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\python.exe
   Python Version: 3.7.4
      Python Path: ['C:\\Users\\ZAVERI SANYA\\Desktop\\Hospital-Management-System\\hospitalapi',
                    'C:\\Users\\ZAVERI '
                    'SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\python37.zip',
                    'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\DLLs',
                    'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\lib',
                    'C:\\Users\\ZAVERI SANYA\\AppData\\Local\\Programs\\Python\\Python37-32',
                    'C:\\Users\\ZAVERI SANYA\\AppData\\Roaming\\Python\\Python37\\site-packages',
                    'C:\\Users\\ZAVERI '
                    'SANYA\\AppData\\Local\\Programs\\Python\\Python37-32\\lib\\site-packages']
      Server time: Thu, 22 Apr 2021 12:15:21 +0000
```

Traceback Switch to copy-and-paste view

```
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\django\db\backends\utils.py in _execute
    86.                 return self.cursor.execute(sql, params)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\django\db\backends\mysql\base.py in execute
    74.             return self.cursor.execute(query, args)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\cursors.py in execute
    148.        result = self._query(query)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\cursors.py in _query
    310.        conn.query(q)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\connections.py in query
    548.        self._affected_rows = self._read_query_result(unbuffered=unbuffered)
    ▶ Local vars
C:\Users\ZAVERI SANYA\AppData\Local\Programs\Python\Python37-32\lib\site-packages\pymysql\connections.py in _read_query_result
    775.            result.read()
```



```
OperationalError at /update_appointment/3/
(1644, 'No beds are available in this room. Please check your room number.')
```