

UE20CS301

Database Management System

Lab Quiz Set 1

Name : Renita Kurian

SRN : PES1UG20CS331

Roll No. : 13

Show tables:

```
MariaDB [BloodBank_331]> show tables;
+-----+
| Tables_in_bloodbank_331 |
+-----+
| blood_bank_331           |
| blood_patient_331        |
| blood_units_331          |
| donor_331                |
| hospital_331             |
| hospital_request_331     |
| patient_331              |
| patient_request_331      |
| registration_team_331    |
| requests_331             |
| technical_analyst_blood_331 |
| technical_analysts_331   |
+-----+
12 rows in set (0.002 sec)

MariaDB [BloodBank_331]> _
```

Set 1

Questions:

1. Write a trigger to prevent the insertion of a patient belonging to the locality 'Devanahalli' into the Patient table suggesting that this area is not serviceable.

```
DELIMITER $$
CREATE TRIGGER devanahalliPatient
BEFORE insert
ON Patient_331 for each ROW
BEGIN
DECLARE error_msg VARCHAR(255);
SET error_msg = ('Area not servicable');
IF new.locality='Devanahalli' THEN
    SIGNAL SQLSTATE '45000'
    SET MESSAGE_TEXT = error_msg;
END IF;
END $$
DELIMITER ;
```

```

MariaDB [BloodBank_331]> DELIMITER $$
MariaDB [BloodBank_331]> CREATE TRIGGER devanahalliPatient
-> BEFORE insert
-> ON Patient_331 for each ROW
-> BEGIN
-> DECLARE error_msg VARCHAR(255);
-> SET error_msg = ('Area not servicable');
-> IF new.locality='Devanahalli' THEN
-> SIGNAL SQLSTATE '45000'
-> SET MESSAGE_TEXT = error_msg;
-> END IF;
-> END $$
Query OK, 0 rows affected (0.025 sec)

```

```

MariaDB [BloodBank_331]> insert into patient_331 values("P0032", "Renita", "Kurian", "F", "A+", "0981234561", "AB Road", "12", "Devanahalli", 440, "2022-11-25");
ERROR 1644 (45000): Area not servicable
MariaDB [BloodBank_331]>

```

2. List the name and IDs of the patients who did not get the exact blood group as their own. Also display the blood group of blood unit and their actual blood group.

```

select patient_name, patient_id, P.blood_group, R.blood_group from
(Patient_331 as P Natural JOIN Patient_Request_331 as X)JOIN Requests_331 as R
ON R.request_id = X.request_id where R.blood_group!=P.blood_group;

```

```

MariaDB [BloodBank_331]> select patient_name, patient_id, P.blood_group as PatientBloodGroup, R.blood_group as RequestBloodGroup
from (Patient_331 as P Natural JOIN Patient_Request_331 as X)JOIN Requests_331 as R ON R.request_id = X.request_id where R.blood_group!=P.blood_group;

```

patient_name	patient_id	PatientBloodGroup	RequestBloodGroup
Kavya	P0010	AB+	A
Kavya	P0010	AB+	B-
Kavya	P0010	AB+	O+
Anushree	P0011	A+	O+
Tirthankar	P0015	O+	A+
Naina	P0016	AB-	O-
Susheel	P0017	O-	AB+
Vishal	P0020	AB+	O+
Vishal	P0020	AB+	A+
Vinayak	P0024	A+	O-

10 rows in set (0.001 sec)

3. Write a function to set the health status of a donor. If the donor has some associated disease set health status to 'Fair', otherwise to 'Good'.

```

DELIMITER $$
CREATE FUNCTION getHealthStatus(disease varchar(255))
RETURNS VARCHAR(50)
DETERMINISTIC
BEGIN
    DECLARE stat varchar(255);
    if (disease!='Nil' and disease!='NIL') THEN
        set stat = 'Fair';
    Else
        set stat='Good';
    End If;
END

```

```
END IF;
return stat;
END; $$
DELIMITER ;
```

```
MariaDB [BloodBank_331]> DELIMITER $$
MariaDB [BloodBank_331]> CREATE FUNCTION getHealthStatus(disease varchar(255))
-> RETURNS VARCHAR(50)
-> DETERMINISTIC
-> BEGIN
-> DECLARE stat varchar(255);
-> if (disease!='Nil' and disease!='NIL') THEN
-> set stat = 'Fair';
-> Else
-> set stat='Good';
-> END IF;
-> return stat;
-> END; $$
Query OK, 0 rows affected (0.032 sec)

MariaDB [BloodBank_331]> DELIMITER ;
```

```
MariaDB [BloodBank_331]> alter table Donor_331 add HealthStatus varchar(255);
Query OK, 0 rows affected (0.022 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
MariaDB [BloodBank_331]> select d_name, d_disease, getHealthStatus(d_disease) from donor_331;
```

d_name	d_disease	getHealthStatus(d_disease)
Vishnu	NIL	Good
Sheeba	NIL	Good
Allina	Diabetes	Fair
Abhibav	BP	Fair
Aaron	NIL	Good
Anirudh	NIL	Good
Dev	Diabetes	Fair
Nisar	Anemia	Fair
Joshua	Nil	Good
Shrey	Nil	Good
Varad	Nil	Good
Shashank	Nil	Good
Nevil	Nil	Good
Nishok	Nil	Good
Aditi	Nil	Good

```
15 rows in set (0.005 sec)

MariaDB [BloodBank_331]> 
```

```

MariaDB [BloodBank_331]> UPDATE donor_331 set HealthStatus = getHealthStatus(d_disease);
Query OK, 15 rows affected (0.007 sec)
Rows matched: 15  Changed: 15  Warnings: 0

MariaDB [BloodBank_331]> select * from donor_331;
-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| d_id | d_name | d_surname | d_gender | blood_group | contact_no | d_street | d_house_number | d_locality | d_age | d_disease | id_blood | bloodGroup_Blood | id_rt | date_register | HealthSt
atus |
-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| D0020 | Vishnu | Mustaine | M | A+ | 1112222333 | MG road | 512 | Lady Hill | 21 | NIL | 6022 | AB+ | 711 | 2022-11-01 | Good
| D0021 | Sheeba | Lee Roth | F | AB+ | 2223333444 | JC road | 513 | Bavate Gudde | 22 | NIL | 6023 | AB+ | 712 | 2022-11-02 | Good
| D0022 | Allina | Van Halen | F | A+ | 3334445555 | KK Road | 514 | Hat Hill | 23 | Diabetes | 6024 | A+ | 713 | 2022-11-03 | Fair
| D0023 | Abhibav | Medidi | M | A- | 4445555666 | BEML Road | 515 | Bendoor | 24 | BP | 6025 | B+ | 714 | 2022-11-04 | Fair
| D0024 | Aaron | Chapman | M | AB+ | 5555666777 | ECC Road | 516 | Mallikatta | 25 | NIL | 6026 | B+ | 715 | 2022-11-05 | Good
| D0025 | Anirudh | Michael | M | O+ | 6667778888 | End Point Road | 517 | Kadri | 26 | NIL | 6027 | AB+ | 716 | 2022-11-06 | Good
| D0026 | Dev | Daniel | M | O+ | 7778889999 | St. Mary's Road | 518 | Nanthoor | 27 | Diabetes | 6028 | A+ | 711 | 2022-11-07 | Fair
| D0027 | Nisar | Mayer | M | AB- | 9999000111 | Abbey Road | 519 | Majestic | 28 | Anemia | 6029 | B- | 712 | 2022-11-08 | Fair
| D0028 | Joshua | Hudson | M | O- | 1110002222 | BM Road | 520 | Mysore | 29 | Nil | 6030 | AB- | 713 | 2022-11-09 | Good
| D0029 | Shrey | Rose | M | A- | 1110003333 | Mall Road | 521 | RT Nagar | 30 | Nil | 6031 | O- | 714 | 2022-11-10 | Good
| D0030 | Varad | Ulrich | M | B- | 1110004444 | Park Street | 522 | Banashankari | 31 | Nil | 6032 | AB+ | 715 | 2022-11-11 | Good
| D0031 | Shashank | Hamett | M | AB+ | 1110005555 | Rajpath | 523 | Basavanagudi | 32 | Nil | 6033 | O+ | 716 | 2022-11-12 | Good
| D0032 | Nevil | Sheeran | M | O+ | 1110006666 | Kingsway Road | 524 | Bada Bangadda | 33 | Nil | 6034 | B- | 711 | 2022-11-13 | Good
| D0033 | Nishok | Jackson | M | AB+ | 1110007777 | Janpath | 525 | Chotta Bangadda | 34 | Nil | 6035 | O- | 712 | 2022-11-14 | Good
| D0034 | Aditi | Wonder | F | B+ | 1110008888 | Railway Station Road | 526 | Hapankatta | 35 | Nil | 6036 | B- | 713 | 2022-11-15 | Good
-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
15 rows in set (0.001 sec)

```

SQL Exported File:

```

-- phpMyAdmin SQL Dump
-- version 5.1.1
-- https://www.phpmyadmin.net/
--
-- Host: 127.0.0.1
-- Generation Time: Nov 30, 2022 at 06:31 AM
-- Server version: 10.4.21-MariaDB
-- PHP Version: 8.0.10

SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
START TRANSACTION;
SET time_zone = "+00:00";

/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
/*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
/*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
/*!40101 SET NAMES utf8mb4 */;

--
-- Database: `bloodbank_331`
--

DELIMITER $$
--
-- Functions
--
CREATE DEFINER=`root`@`localhost` FUNCTION `getHealthStatus` (`disease`
VARCHAR(255)) RETURNS VARCHAR(50) CHARSET utf8mb4 BEGIN

```

```

DECLARE stat varchar(255);
    if (disease!='Nil' and disease!='NIL') THEN
        set stat = 'Fair';
    Else
        set stat='Good';
    END IF;
    return stat;
END$$

DELIMITER ;

-- -----
--
-- Table structure for table `blood_bank_331`
--

CREATE TABLE `blood_bank_331` (
  `bb_id` int(4) NOT NULL,
  `bb_name` varchar(30) NOT NULL,
  `bb_street` varchar(50) NOT NULL,
  `bb_building_no` int(4) NOT NULL,
  `bb_locality` varchar(25) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

--
-- Dumping data for table `blood_bank_331`
--

INSERT INTO `blood_bank_331` (`bb_id`, `bb_name`, `bb_street`,
`bb_building_no`, `bb_locality`) VALUES
(1000, 'Red Cross Blood Bank', 'MG Road', 121, 'Central Bangalore'),
(1001, 'Rotary Blood Bank', 'Brigade Road', 201, 'North Bangalore'),
(1002, 'Lion\'s Blood Bank', 'Turahalli Road', 324, 'South Bangalore'),
(1003, 'Minerva Blood Bank', 'ECC Road', 444, 'East Banagalore');

-- -----
--
-- Table structure for table `blood_patient_331`
--

CREATE TABLE `blood_patient_331` (
  `bu_id` varchar(4) NOT NULL,
  `patient_id` varchar(5) NOT NULL,
  `blood_group` varchar(4) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

```

```
--
-- Dumping data for table `blood_patient_331`
--

INSERT INTO `blood_patient_331` (`bu_id`, `patient_id`, `blood_group`) VALUES
('120', 'P0010', 'AB+'),
('120', 'P0014', 'O+'),
('117', 'P0016', 'O-'),
('111', 'P0024', 'A+'),
('120', 'P0024', 'O+'),
('119', 'P0020', 'AB+'),
('118', 'P0018', 'O-'),
('116', 'P0019', 'B-');
```

```
-----
```

```
--
-- Table structure for table `blood_units_331`
--
```

```
CREATE TABLE `blood_units_331` (
  `bu_id` varchar(4) NOT NULL,
  `blood_group` varchar(4) NOT NULL,
  `bb_id` int(4) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

```
--
-- Dumping data for table `blood_units_331`
--
```

```
INSERT INTO `blood_units_331` (`bu_id`, `blood_group`, `bb_id`) VALUES
('111', 'A+', 1000),
('112', 'A-', 1000),
('113', 'B+', 1000),
('114', 'AB+', 1000),
('115', 'A+', 1001),
('116', 'B-', 1001),
('117', 'AB-', 1001),
('118', 'O-', 1002),
('119', 'AB+', 1002),
('120', 'O+', 1003),
('121', 'B-', 1003);
```

```
-----
```

```
--
-- Table structure for table `donor_331`
--
```

```

CREATE TABLE `donor_331` (
  `d_id` varchar(6) NOT NULL,
  `d_name` varchar(30) NOT NULL,
  `d_surname` varchar(30) NOT NULL,
  `d_gender` varchar(3) NOT NULL,
  `blood_group` varchar(4) NOT NULL,
  `contact_no` varchar(10) NOT NULL,
  `d_street` varchar(30) NOT NULL,
  `d_house_number` int(4) NOT NULL,
  `d_locality` varchar(20) NOT NULL,
  `d_age` int(2) NOT NULL,
  `d_disease` varchar(10) NOT NULL,
  `id_blood` int(4) NOT NULL,
  `bloodGroup_Blood` varchar(4) NOT NULL,
  `id_rt` int(4) NOT NULL,
  `date_register` date NOT NULL,
  `HealthStatus` varchar(255) DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

--
-- Dumping data for table `donor_331`
--

INSERT INTO `donor_331` (`d_id`, `d_name`, `d_surname`, `d_gender`,
`blood_group`, `contact_no`, `d_street`, `d_house_number`, `d_locality`,
`d_age`, `d_disease`, `id_blood`, `bloodGroup_Blood`, `id_rt`,
`date_register`, `HealthStatus`) VALUES
('D0020', 'Vishnu', 'Mustaine', 'M', 'A+', '1112222333', 'MG road', 512, 'Lady
Hill', 21, 'NIL', 6022, 'AB+', 711, '2022-11-01', 'Good'),
('D0021', 'Sheeba', 'Lee Roth', 'F', 'AB+', '2223333444', 'JC road', 513,
'Bavate Gudde', 22, 'NIL', 6023, 'AB+', 712, '2022-11-02', 'Good'),
('D0022', 'Allina', 'Van Halen', 'F', 'A+', '3334445555', 'KK Road', 514, 'Hat
Hill', 23, 'Diabetes', 6024, 'A+', 713, '2022-11-03', 'Fair'),
('D0023', 'Abhibav', 'Medidi', 'M', 'A-', '4445555666', 'BEML Road', 515,
'Bendoor', 24, 'BP', 6025, 'B+', 714, '2022-11-04', 'Fair'),
('D0024', 'Aaron', 'Chapman', 'M', 'AB+', '5555666777', 'ECC Road', 516,
'Mallikatta', 25, 'NIL', 6026, 'B+', 715, '2022-11-05', 'Good'),
('D0025', 'Anirudh', 'Michael', 'M', 'O+', '6667778888', 'End Point Road',
517, 'Kadri', 26, 'NIL', 6027, 'AB+', 716, '2022-11-06', 'Good'),
('D0026', 'Dev', 'Daniel', 'M', 'O+', '7778889999', 'St. Mary\'s Road', 518,
'Nanthoor', 27, 'Diabetes', 6028, 'A+', 711, '2022-11-07', 'Fair'),
('D0027', 'Nisar', 'Mayer', 'M', 'AB-', '9999000111', 'Abbey Road', 519,
'Majestic ', 28, 'Anemia', 6029, 'B-', 712, '2022-11-08', 'Fair'),
('D0028', 'Joshua', 'Hudson', 'M', 'O-', '1110002222', 'BM Road', 520,
'Mysore', 29, 'Nil', 6030, 'AB-', 713, '2022-11-09', 'Good'),
('D0029', 'Shrey', 'Rose', 'M', 'A-', '1110003333', 'Mall Road', 521, 'RT
Nagar', 30, 'Nil', 6031, 'O-', 714, '2022-11-10', 'Good'),

```



```
( 'D0030', 'Varad', 'Ulrich', 'M', 'B-', '1110004444', 'Park Street', 522,
'Banashankari', 31, 'Nil', 6032, 'AB+', 715, '2022-11-11', 'Good'),
('D0031', 'Shashank', 'Hamett', 'M', 'AB+', '1110005555', 'Rajpath', 523,
'Basavanagudi', 32, 'Nil', 6033, '0+', 716, '2022-11-12', 'Good'),
('D0032', 'Nevil', 'Sheeran', 'M', 'O+', '1110006666', 'Kingsway Road', 524,
'Bada Bangadda', 33, 'Nil', 6034, 'B-', 711, '2022-11-13', 'Good'),
('D0033', 'Nishok', 'Jackson', 'M', 'AB+', '1110007777', 'Janpath', 525,
'Chotta Bangadda', 34, 'Nil', 6035, 'O-', 712, '2022-11-14', 'Good'),
('D0034', 'Aditi', 'Wonder', 'F', 'B+', '1110008888', 'Railway Station Road',
526, 'Hapankatta', 35, 'Nil', 6036, 'B-', 713, '2022-11-15', 'Good');
```

```
-- -----
```

```
--
-- Table structure for table `hospital_331`
--
```

```
CREATE TABLE `hospital_331` (
  `hospital_id` varchar(4) NOT NULL,
  `h_name` varchar(20) NOT NULL,
  `h_street` varchar(20) NOT NULL,
  `h_building_no` int(3) NOT NULL,
  `h_locality` varchar(20) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

```
--
-- Dumping data for table `hospital_331`
--
```

```
INSERT INTO `hospital_331` (`hospital_id`, `h_name`, `h_street`,
`h_building_no`, `h_locality`) VALUES
('H030', 'Sri Sankara', 'Varthur Road', 123, 'KundanaHalli'),
('H031', 'RxDx', 'OR Road', 234, 'Benniganahalli'),
('H032', 'Apollo', 'MayFlower Avenue', 567, 'Jayanagar'),
('H033', 'Sakra', 'Banyan Avenue', 666, 'HAL');
```

```
-- -----
```

```
--
-- Table structure for table `hospital_request_331`
--
```

```
CREATE TABLE `hospital_request_331` (
  `request_id` int(4) NOT NULL,
  `hospital_id` varchar(4) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

```
--
```

```

-- Dumping data for table `hospital_request_331`
--

INSERT INTO `hospital_request_331` (`request_id`, `hospital_id`) VALUES
(2, 'H030'),
(4, 'H031'),
(6, 'H032'),
(8, 'H033'),
(10, 'H033'),
(12, 'H033'),
(14, 'H031'),
(16, 'H030'),
(18, 'H032');

-----

--
-- Table structure for table `patient_331`
--

CREATE TABLE `patient_331` (
  `patient_id` varchar(5) NOT NULL,
  `patient_name` varchar(30) NOT NULL,
  `patient_surname` varchar(30) NOT NULL,
  `gender` varchar(1) NOT NULL,
  `blood_group` varchar(4) NOT NULL,
  `contact` varchar(50) NOT NULL,
  `street` varchar(20) NOT NULL,
  `house_number` varchar(5) NOT NULL,
  `locality` varchar(20) NOT NULL,
  `rt_id` int(4) NOT NULL,
  `date_registration` date NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

--
-- Dumping data for table `patient_331`
--

INSERT INTO `patient_331` (`patient_id`, `patient_name`, `patient_surname`,
`gender`, `blood_group`, `contact`, `street`, `house_number`, `locality`,
`rt_id`, `date_registration`) VALUES
('P0010', 'Kavya ', 'Gandhi', 'F', 'AB+', '1122334455', 'MG road', '10',
'Majestic ', 440, '2022-11-01'),
('P0011', 'Anushree', 'Shetty', 'F', 'A+', '2233445566', 'JC road', '20',
'Mysore', 441, '2022-11-02'),
('P0012', 'Sweety', 'Sen', 'F', 'A-', '3344556677', 'KK Road', '30', 'RT
Nagar', 441, '2022-11-03'),

```

```

('P0013', 'Rupa', 'Ganguli', 'F', 'AB+', '4455667788', 'BEML Road', '40',
'Banashankari', 442, '2022-11-04'),
('P0014', 'Sudarshana', 'Dhar', 'F', 'O+', '5566778899', 'ECC Road', '50',
'Basavanagudi', 443, '2022-11-05'),
('P0015', 'Tirthankar', 'Bhattacharyya', 'M', 'O+', '6677889900', 'End Point
Road', '60', 'Bada Bangadda', 444, '2022-11-06'),
('P0016', 'Naina ', 'Saini', 'F', 'AB-', '7788990011', 'St. Mary\'s Road',
'70', 'Chotta Bangadda', 443, '2022-11-07'),
('P0017', 'Susheel', 'Sharma', 'M', 'O-', '8899001122', 'Abbey Road', '80',
'Hapankatta', 441, '2022-11-08'),
('P0018', 'Pakhi', 'Shah', 'F', 'A-', '9900112233', 'BM Road', '90', 'Lady
Hill', 440, '2022-11-09'),
('P0019', 'Virat', 'Modi', 'M', 'B-', '1100223344', 'Mall Road', '11', 'Bavate
Gudde', 442, '2022-11-10'),
('P0020', 'Vishal', 'Sharma', 'M', 'AB+', '2200113344', 'Park Street', '21',
'Hat Hill', 440, '2022-11-11'),
('P0021', 'Samar', 'Sen', 'M', 'O+', '1234512345', 'Rajpath', '31', 'Bendoor',
441, '2022-11-12'),
('P0022', 'Barkha', 'Dutt', 'F', 'AB+', '2345623456', 'Kingsway Road', '41',
'Mallikatta', 442, '2022-11-13'),
('P0023', 'Savi', 'Rao', 'F', 'B+', '4567845678', 'Janpath', '51', 'Kadri',
442, '2022-11-14'),
('P0024', 'Vinayak', 'Joshi', 'M', 'A+', '8899005566', 'Railway Station Road',
'61', 'Nanthoor', 444, '2022-11-15'),
('P0032', 'Renita', 'Kurian', 'F', 'A+', '0981234561', 'AB Road', '12',
'Whitefield', 440, '2022-11-25');

--
-- Triggers `patient_331`
--
DELIMITER $$
CREATE TRIGGER `devanahalliPatient` BEFORE INSERT ON `patient_331` FOR EACH
ROW BEGIN
DECLARE error_msg VARCHAR(255);
SET error_msg = ('Area not servicable');
IF new.locality='Devanahalli' THEN
    SIGNAL SQLSTATE '45000'
    SET MESSAGE_TEXT = error_msg;
END IF;
END
$$
DELIMITER ;

-- -----
--
-- Table structure for table `patient_request_331`
--

```

```

CREATE TABLE `patient_request_331` (
  `patient_id` varchar(5) NOT NULL,
  `request_id` int(4) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

--
-- Dumping data for table `patient_request_331`
--

INSERT INTO `patient_request_331` (`patient_id`, `request_id`) VALUES
('P0010', 1),
('P0010', 15),
('P0010', 17),
('P0011', 11),
('P0015', 3),
('P0016', 13),
('P0017', 5),
('P0020', 7),
('P0020', 19),
('P0024', 9);

-----

--
-- Table structure for table `registration_team_331`
--

CREATE TABLE `registration_team_331` (
  `rt_member_id` int(4) NOT NULL,
  `rt_member_name` varchar(30) NOT NULL,
  `rt_member_surname` varchar(30) NOT NULL,
  `bb_id` int(4) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

--
-- Dumping data for table `registration_team_331`
--

INSERT INTO `registration_team_331` (`rt_member_id`, `rt_member_name`,
`rt_member_surname`, `bb_id`) VALUES
(440, 'Frieda', 'Slaves', 1000),
(441, 'Aravind', 'Govan', 1001),
(442, 'Vinod', 'Adesh', 1000),
(443, 'Arjun', 'Chand', 1001),
(444, 'Aarya', 'Chouhan', 1002),
(716, 'Ananya', 'Sequiera', 1003);

```

```

-----

--
-- Table structure for table `requests_331`
--

CREATE TABLE `requests_331` (
  `request_id` int(4) NOT NULL,
  `blood_group` varchar(4) NOT NULL,
  `units_of_blood` int(4) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

--
-- Dumping data for table `requests_331`
--

INSERT INTO `requests_331` (`request_id`, `blood_group`, `units_of_blood`)
VALUES
(1, 'A', 1),
(2, 'AB+', 2),
(3, 'A+', 3),
(4, 'A-', 4),
(5, 'AB+', 2),
(6, 'O+', 1),
(7, 'O+', 2),
(8, 'AB-', 1),
(9, 'O-', 1),
(10, 'O+', 2),
(11, 'O+', 1),
(12, 'AB-', 1),
(13, 'O-', 1),
(14, 'A-', 6),
(15, 'B-', 1),
(16, 'AB+', 1),
(17, 'O+', 1),
(18, 'AB+', 1),
(19, 'A+', 1);

-----

--
-- Table structure for table `technical_analysts_331`
--

CREATE TABLE `technical_analysts_331` (
  `ta_id` int(4) NOT NULL,
  `ta_name` varchar(30) NOT NULL,
  `ta_surname` varchar(30) NOT NULL,

```

```

    `bb_id` int(4) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

--
-- Dumping data for table `technical_analysts_331`
--

INSERT INTO `technical_analysts_331` (`ta_id`, `ta_name`, `ta_surname`,
`bb_id`) VALUES
(113, 'Vaidehi', 'Rogan', 1003),
(911, 'Varun', 'Vai', 1000),
(912, 'Sanjeeth', 'Gilbert', 1001),
(913, 'Sathish', 'Petrucchi', 1002),
(914, 'Dev', 'Mustaine', 1003),
(915, 'Varshini', 'Friedman', 1002);

-- -----

--
-- Table structure for table `technical_analyst_blood_331`
--

CREATE TABLE `technical_analyst_blood_331` (
  `ta_id` int(4) NOT NULL,
  `bu_id` varchar(10) NOT NULL,
  `blood_group` varchar(4) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

--
-- Dumping data for table `technical_analyst_blood_331`
--

INSERT INTO `technical_analyst_blood_331` (`ta_id`, `bu_id`, `blood_group`)
VALUES
(113, '112', 'A-'),
(911, '113', 'B+'),
(912, '114', 'AB+'),
(913, '115', 'A+'),
(913, '116', 'B-'),
(912, '117', 'AB-'),
(914, '118', '0-'),
(915, '119', 'AB+'),
(113, '120', '0+'),
(911, '121', 'B-');

--
-- Indexes for dumped tables
--

```

```
--
-- Indexes for table `blood_bank_331`
--
ALTER TABLE `blood_bank_331`
  ADD PRIMARY KEY (`bb_id`);

--
-- Indexes for table `blood_patient_331`
--
ALTER TABLE `blood_patient_331`
  ADD KEY `bu_id` (`bu_id`);

--
-- Indexes for table `blood_units_331`
--
ALTER TABLE `blood_units_331`
  ADD PRIMARY KEY (`bu_id`),
  ADD KEY `bb_id` (`bb_id`);

--
-- Indexes for table `donor_331`
--
ALTER TABLE `donor_331`
  ADD PRIMARY KEY (`d_id`);

--
-- Indexes for table `hospital_331`
--
ALTER TABLE `hospital_331`
  ADD PRIMARY KEY (`hospital_id`);

--
-- Indexes for table `hospital_request_331`
--
ALTER TABLE `hospital_request_331`
  ADD PRIMARY KEY (`request_id`,`hospital_id`),
  ADD KEY `hospital_id` (`hospital_id`);

--
-- Indexes for table `patient_331`
--
ALTER TABLE `patient_331`
  ADD PRIMARY KEY (`patient_id`),
  ADD KEY `rt_id` (`rt_id`);

--
-- Indexes for table `patient_request_331`
```

```

--
ALTER TABLE `patient_request_331`
  ADD PRIMARY KEY (`patient_id`,`request_id`),
  ADD KEY `request_id` (`request_id`);

--
-- Indexes for table `registration_team_331`
--
ALTER TABLE `registration_team_331`
  ADD PRIMARY KEY (`rt_member_id`),
  ADD KEY `fk_bb_rt` (`bb_id`);

--
-- Indexes for table `requests_331`
--
ALTER TABLE `requests_331`
  ADD PRIMARY KEY (`request_id`);

--
-- Indexes for table `technical_analysts_331`
--
ALTER TABLE `technical_analysts_331`
  ADD PRIMARY KEY (`ta_id`),
  ADD KEY `fk_bb_ta` (`bb_id`);

--
-- Indexes for table `technical_analyst_blood_331`
--
ALTER TABLE `technical_analyst_blood_331`
  ADD KEY `bu_id` (`bu_id`),
  ADD KEY `ta_id` (`ta_id`);

--
-- Constraints for dumped tables
--

--
-- Constraints for table `blood_patient_331`
--
ALTER TABLE `blood_patient_331`
  ADD CONSTRAINT `blood_patient_ibfk_1` FOREIGN KEY (`bu_id`) REFERENCES
`blood_units_331` (`bu_id`);

--
-- Constraints for table `blood_units_331`
--
ALTER TABLE `blood_units_331`

```



```

    ADD CONSTRAINT `blood_units_ibfk_1` FOREIGN KEY (`bb_id`) REFERENCES
`blood_bank_331` (`bb_id`);

--
-- Constraints for table `hospital_request_331`
--
ALTER TABLE `hospital_request_331`
    ADD CONSTRAINT `hospital_request_ibfk_1` FOREIGN KEY (`hospital_id`)
REFERENCES `hospital_331` (`hospital_id`),
    ADD CONSTRAINT `hospital_request_ibfk_2` FOREIGN KEY (`request_id`)
REFERENCES `requests_331` (`request_id`);

--
-- Constraints for table `patient_331`
--
ALTER TABLE `patient_331`
    ADD CONSTRAINT `patient_ibfk_1` FOREIGN KEY (`rt_id`) REFERENCES
`registration_team_331` (`rt_member_id`);

--
-- Constraints for table `patient_request_331`
--
ALTER TABLE `patient_request_331`
    ADD CONSTRAINT `patient_request_ibfk_1` FOREIGN KEY (`request_id`)
REFERENCES `requests_331` (`request_id`),
    ADD CONSTRAINT `patient_request_ibfk_2` FOREIGN KEY (`patient_id`)
REFERENCES `patient_331` (`patient_id`),
    ADD CONSTRAINT `patient_request_ibfk_3` FOREIGN KEY (`patient_id`)
REFERENCES `patient_331` (`patient_id`);

--
-- Constraints for table `registration_team_331`
--
ALTER TABLE `registration_team_331`
    ADD CONSTRAINT `fk_bb_rt` FOREIGN KEY (`bb_id`) REFERENCES `blood_bank_331`
(`bb_id`);

--
-- Constraints for table `technical_analysts_331`
--
ALTER TABLE `technical_analysts_331`
    ADD CONSTRAINT `fk_bb_ta` FOREIGN KEY (`bb_id`) REFERENCES `blood_bank_331`
(`bb_id`);

--
-- Constraints for table `technical_analyst_blood_331`
--
ALTER TABLE `technical_analyst_blood_331`

```

```
    ADD CONSTRAINT `technical_analyst_blood_ibfk_1` FOREIGN KEY (`bu_id`)
REFERENCES `blood_units_331` (`bu_id`),
    ADD CONSTRAINT `technical_analyst_blood_ibfk_2` FOREIGN KEY (`ta_id`)
REFERENCES `technical_analysts_331` (`ta_id`);
COMMIT;

/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
```