

Blood Banks Database Management System

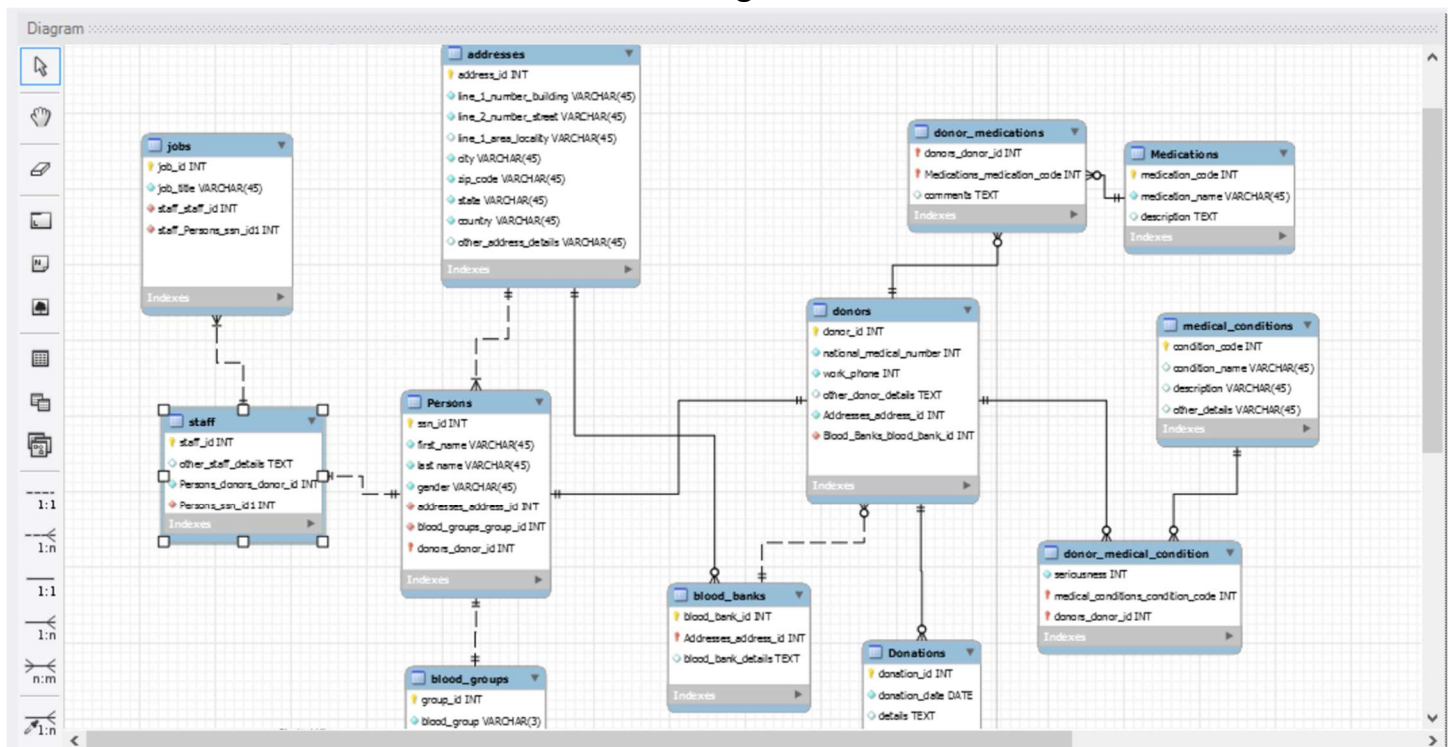
By – Sai Raghuram Kothapalli

NUID - 01225464

Aim

To make an effective database management systems for Blood banks in the present city. The database revolves around 2 main entities, which are *blood_banks* and the *persons* tables. These two are the core entities associated with the other ones.

ER Diagram



Stored Procedures

Basically, there are many set of queries which need to be created again and again for getting important information regarding the respective person or the respective blood bank. So, stored procedures come into play. These are the set of queries, which get stored in the database and are thereby called when necessary.

The stored procedure used here is called 'getDonor', which gives the person's information from persons table, his/her donation information, as in which date he donated and details of the donation.

```

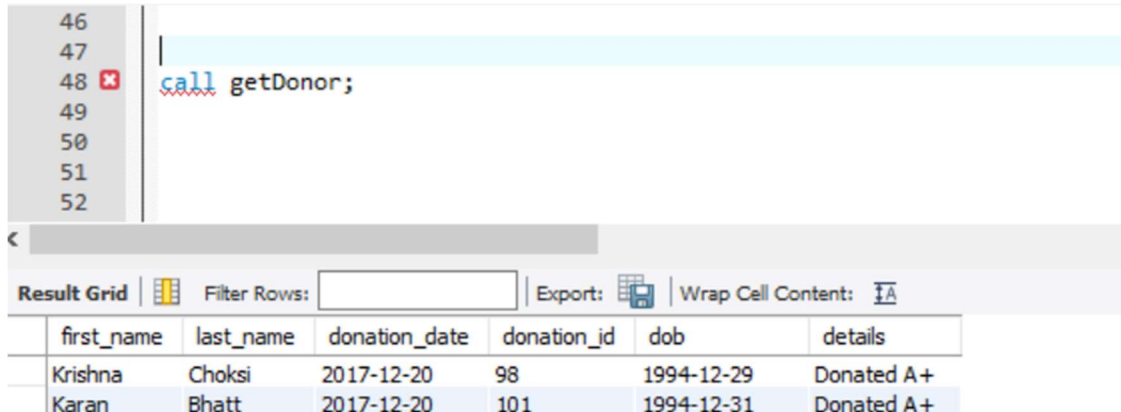
CREATE PROCEDURE `getDonor` ()
BEGIN
select persons.first_name, persons.last_name, donation_date, donation_id, persons.dob, donations.details
inner join donors on persons.donor_id=donors.donor_id
inner join donations on persons.donor_id = donations.donor_id
where donation_date = '2017-12-20' and details = "Donated A+";

END

```

The where clause is used here for reference but this SP should actually be used with input and output parameters.

The output will somehow look like this.



The screenshot shows a SQL IDE interface. On the left, a list of line numbers from 46 to 52. The main editor area shows the following SQL code:

```

call getDonor;

```

Below the editor, there is a 'Result Grid' section. It includes a 'Filter Rows' input field, an 'Export' button, and a 'Wrap Cell Content' checkbox. The result grid displays the following data:

first_name	last_name	donation_date	donation_id	dob	details
Krishna	Choksi	2017-12-20	98	1994-12-29	Donated A+
Karan	Bhatt	2017-12-20	101	1994-12-31	Donated A+

Views

Sometimes, we don't want our customers to see all the information related to the persons table or any other table. For that purpose, we create views from the customers point of view.

The view created here will show all the information related to the persons in the persons table but we would not like the customers to see their ssn_id, so we implement our queries accordingly.

Executing { select * from view_persons_details;} will give us the following results :

```

79
80 CREATE VIEW view_persons_details AS SELECT concat(first_name, ' ',last_name) as full_name,
81      dob,gender, blood_groups.group_id, blood_groups.blood_group FROM persons
82      join blood_groups on persons.group_id = blood_groups.group_id;
83
84 select * from view_persons_details;
85

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	full_name	dob	gender	group_id	blood_group
	Sai Radharam	1994-12-20	M	1	A+
	Prithvi Yal	1994-12-26	U	1	A+
	Yash Jain	1994-12-10	M	2	A-
	Krishna Choksi	1994-12-29	F	2	A-
	Isha Modi	1994-12-18	F	2	A-
	Karan Bhatt	1994-12-31	U	3	B+
	Kruti Gosalia	1994-12-23	F	4	B-

view_persons_details 137 x Read Only

Triggers

Triggers are one type of stored procedures which need to be initiated before or after the inserts or the updates or the deletes, but that is done implicitly.

Here is a trigger created whose function is to create or generate this execution time in the trigger table as soon as any row gets inserted or updated in the persons table.

```

## Trigger 1

create trigger new_trigger
before insert
on persons
for each row select * from trigger_time;

insert into trigger_time VALUES(NOW())

show triggers

```

```

insert into persons VALUES (5554181,'Vraj','Modi','M',5,2,4,'1994-12-07');
insert into persons VALUES (5554184,'Isha','Modi','F',6,2,2,'1994-12-18');
insert into persons VALUES (5554151,'Lamas','Modulas','U',6,3,4,'1994-08-07');

```

So as we can see, that whenever the insert options are created, there will be execution times showing in the trigger_time table as shown.

execution_time
2017-04-20 23:08:27
2017-04-20 23:11:32
2017-04-21 07:31:46

Codes from the dump file

```
-- MySQL dump 10.13 Distrib 5.7.17, for Win64 (x86_64)
--
-- Host: localhost Database: project_db
-- -----
-- Server version 5.6.35-log

/*!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 utf8 */;
/*!40103 SET @OLD_TIME_ZONE=@@TIME_ZONE */;
/*!40103 SET TIME_ZONE='+00:00' */;
/*!40014 SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0 */;
/*!40014 SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS,
FOREIGN_KEY_CHECKS=0 */;
/*!40101 SET @OLD_SQL_MODE=@@SQL_MODE, SQL_MODE='NO_AUTO_VALUE_ON_ZERO'
*/;
/*!40111 SET @OLD_SQL_NOTES=@@SQL_NOTES, SQL_NOTES=0 */;

--
-- Table structure for table `addresses`
--

DROP TABLE IF EXISTS `addresses`;
/*!40101 SET @saved_cs_client = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `addresses` (
  `address_id` int(11) NOT NULL,
  `line_1_number_building` varchar(45) NOT NULL,
  `line_2_number_street` varchar(45) NOT NULL,
  `line_1_area_locality` varchar(45) DEFAULT NULL,
  `city` varchar(45) NOT NULL,
```

```

`zip_code` varchar(45) NOT NULL,
`state` varchar(45) NOT NULL,
`country` varchar(45) NOT NULL,
`other_address_details` varchar(45) DEFAULT NULL,
PRIMARY KEY (`address_id`),
UNIQUE KEY `address_id_UNIQUE` (`address_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `addresses`
--

LOCK TABLES `addresses` WRITE;
/*!40000 ALTER TABLE `addresses` DISABLE KEYS */;
INSERT INTO `addresses` VALUES (1,'Park Dr','235
drive',NULL,'Boston','1234','MA','US',NULL),(2,'St Germain','23
dss',NULL,'Boston','1235','MA','US',NULL),(3,'Hemenway','32 jmps',NULL,'Las
Vegas','5321','CA','US',NULL),(4,'Fard','33 sdfg',NULL,'Arlington','3241','TX','US',NULL),(5,'Sweet
Residency','34 asdfg',NULL,'Surat','1453','GJ','IND',NULL);
/*!40000 ALTER TABLE `addresses` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `blood_banks`
--

DROP TABLE IF EXISTS `blood_banks`;
/*!40101 SET @saved_cs_client = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `blood_banks` (
  `blood_bank_id` int(11) NOT NULL,
  `address_id` int(11) NOT NULL,
  `blood_bank_details` text,
  PRIMARY KEY (`blood_bank_id`,`address_id`),
  UNIQUE KEY `blood_bank_id_UNIQUE` (`blood_bank_id`),
  UNIQUE KEY `Addresses_address_id_UNIQUE` (`address_id`),
  KEY `fk_Blood_Banks_Addresses1_idx` (`address_id`),

```

```
CONSTRAINT `fk_Blood_Banks_Addresses1` FOREIGN KEY (`address_id`) REFERENCES
`addresses` (`address_id`) ON DELETE NO ACTION ON UPDATE NO ACTION
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
/*!40101 SET character_set_client = @saved_cs_client */;
```

```
--
-- Dumping data for table `blood_banks`
--
```

```
LOCK TABLES `blood_banks` WRITE;
/*!40000 ALTER TABLE `blood_banks` DISABLE KEYS */;
INSERT INTO `blood_banks` VALUES (11,1,'Good locality'),(12,2,'Worst '), (13,3,'Best place
ever'),(14,5,'Good '), (15,4,'Dirty');
/*!40000 ALTER TABLE `blood_banks` ENABLE KEYS */;
UNLOCK TABLES;
```

```
--
-- Table structure for table `blood_groups`
--
```

```
DROP TABLE IF EXISTS `blood_groups`;
/*!40101 SET @saved_cs_client = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `blood_groups` (
  `group_id` int(11) NOT NULL,
  `blood_group` varchar(3) NOT NULL,
  PRIMARY KEY (`group_id`),
  UNIQUE KEY `blood_group_UNIQUE` (`blood_group`),
  UNIQUE KEY `group_id_UNIQUE` (`group_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
/*!40101 SET character_set_client = @saved_cs_client */;
```

```
--
-- Dumping data for table `blood_groups`
--
```

```
LOCK TABLES `blood_groups` WRITE;
/*!40000 ALTER TABLE `blood_groups` DISABLE KEYS */;
```

```
INSERT INTO `blood_groups` VALUES (1,'A+'),(2,'A-'),(5,'AB+'),(6,'AB-'),(3,'B+'),(4,'B-'),(7,'O+'),(8,'O-');
/*!40000 ALTER TABLE `blood_groups` ENABLE KEYS */;
UNLOCK TABLES;
```

```
--
-- Table structure for table `donations`
--
```

```
DROP TABLE IF EXISTS `donations`;
/*!40101 SET @saved_cs_client = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `donations` (
  `donation_id` int(11) NOT NULL,
  `donation_date` date NOT NULL,
  `details` text,
  `donor_id` int(11) NOT NULL,
  PRIMARY KEY (`donation_id`,`donor_id`),
  UNIQUE KEY `donation_id_UNIQUE` (`donation_id`),
  KEY `fk_Donations_donors1_idx` (`donor_id`),
  CONSTRAINT `fk_Donations_donors1` FOREIGN KEY (`donor_id`) REFERENCES `donors`
  (`donor_id`) ON DELETE NO ACTION ON UPDATE NO ACTION
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
/*!40101 SET character_set_client = @saved_cs_client */;
```

```
--
-- Dumping data for table `donations`
--
```

```
LOCK TABLES `donations` WRITE;
/*!40000 ALTER TABLE `donations` DISABLE KEYS */;
INSERT INTO `donations` VALUES (98,'2017-12-20','Donated A+',1),(99,'2017-12-18','Donated B+',2),(100,'2017-12-22','Donated AB-',3),(101,'2017-12-20','Donated A+',4),(102,'2017-12-27','Donated AB+',2),(103,'2017-12-22','Donated A-',1);
/*!40000 ALTER TABLE `donations` ENABLE KEYS */;
UNLOCK TABLES;
```

```
--
-- Table structure for table `donor_medical_condition`
```

--

```
DROP TABLE IF EXISTS `donor_medical_condition`;
/*!40101 SET @saved_cs_client = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `donor_medical_condition` (
  `seriousness` int(11) NOT NULL,
  `condition_code` int(11) NOT NULL,
  `donor_id` int(11) NOT NULL,
  PRIMARY KEY (`condition_code`,`donor_id`),
  KEY `fk_donor_medical_condition_donors1_idx` (`donor_id`),
  CONSTRAINT `fk_donor_medical_condition_donors1` FOREIGN KEY (`donor_id`) REFERENCES
`donors` (`donor_id`) ON DELETE NO ACTION ON UPDATE NO ACTION,
  CONSTRAINT `fk_donor_medical_condition_medical_conditions1` FOREIGN KEY
(`condition_code`) REFERENCES `medical_conditions` (`condition_code`) ON DELETE NO
ACTION ON UPDATE NO ACTION
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
/*!40101 SET character_set_client = @saved_cs_client */;
```

--

-- Dumping data for table `donor_medical_condition`

--

```
LOCK TABLES `donor_medical_condition` WRITE;
/*!40000 ALTER TABLE `donor_medical_condition` DISABLE KEYS */;
INSERT INTO `donor_medical_condition` VALUES (322,1,2),(321,2,3),(333,3,1);
/*!40000 ALTER TABLE `donor_medical_condition` ENABLE KEYS */;
UNLOCK TABLES;
```

--

-- Table structure for table `donor_medications`

--

```
DROP TABLE IF EXISTS `donor_medications`;
/*!40101 SET @saved_cs_client = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `donor_medications` (
  `donors_donor_id` int(11) NOT NULL,
  `medication_code` int(11) NOT NULL,
```



```

`comments` text,
PRIMARY KEY (`donors_donor_id`,`medication_code`),
KEY `fk_donor_medications_Medications1_idx` (`medication_code`),
CONSTRAINT `fk_donor_medications_Medications1` FOREIGN KEY (`medication_code`)
REFERENCES `medications` (`medication_code`) ON DELETE NO ACTION ON UPDATE NO
ACTION,
CONSTRAINT `fk_donor_medications_donors1` FOREIGN KEY (`donors_donor_id`)
REFERENCES `donors` (`donor_id`) ON DELETE NO ACTION ON UPDATE NO ACTION
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
/*!40101 SET character_set_client = @saved_cs_client */;

```

```

--
-- Dumping data for table `donor_medications`
--

```

```

LOCK TABLES `donor_medications` WRITE;
/*!40000 ALTER TABLE `donor_medications` DISABLE KEYS */;
INSERT INTO `donor_medications` VALUES (1,3,NULL),(2,2,NULL),(3,1,NULL),(4,2,NULL);
/*!40000 ALTER TABLE `donor_medications` ENABLE KEYS */;
UNLOCK TABLES;

```

```

--
-- Table structure for table `donors`
--

```

```

DROP TABLE IF EXISTS `donors`;
/*!40101 SET @saved_cs_client = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `donors` (
  `donor_id` int(11) NOT NULL,
  `national_medical_number` int(11) DEFAULT NULL,
  `work_phone` int(11) NOT NULL,
  `other_donor_details` text,
  `address_id` int(11) NOT NULL,
  `blood_bank_id` int(11) NOT NULL,
  PRIMARY KEY (`donor_id`),
  UNIQUE KEY `donor_id_UNIQUE` (`donor_id`),
  UNIQUE KEY `national_medical_number_UNIQUE` (`national_medical_number`),
  KEY `fk_Donors_Blood_Banks1_idx` (`blood_bank_id`),

```

```
CONSTRAINT `fk_Donors_Blood_Banks1` FOREIGN KEY (`blood_bank_id`) REFERENCES  
`blood_banks` (`blood_bank_id`) ON DELETE NO ACTION ON UPDATE NO ACTION  
) ENGINE=InnoDB DEFAULT CHARSET=utf8;  
/*!40101 SET character_set_client = @saved_cs_client */;
```

```
--  
-- Dumping data for table `donors`  
--
```

```
LOCK TABLES `donors` WRITE;  
/*!40000 ALTER TABLE `donors` DISABLE KEYS */;  
INSERT INTO `donors` VALUES  
(1,8725343,56123,'Fit',1,11),(2,234535,56122,'Unfit',1,12),(3,1345355,56121,'Fit',2,11),(4,234  
64357,56127,'Unfit',1,13),(5,123243,56128,'Fit',3,12),(6,5432534,56129,'Unfit',5,11);  
/*!40000 ALTER TABLE `donors` ENABLE KEYS */;  
UNLOCK TABLES;
```

```
--  
-- Table structure for table `jobs`  
--
```

```
DROP TABLE IF EXISTS `jobs`;  
/*!40101 SET @saved_cs_client = @@character_set_client */;  
/*!40101 SET character_set_client = utf8 */;  
CREATE TABLE `jobs` (  
  `job_id` int(11) NOT NULL,  
  `job_title` varchar(45) NOT NULL,  
  `staff_id` int(11) NOT NULL,  
  PRIMARY KEY (`job_id`),  
  UNIQUE KEY `job_id_UNIQUE` (`job_id`),  
  UNIQUE KEY `job_title_UNIQUE` (`job_title`),  
  KEY `fk_jobs_staff1_idx` (`staff_id`),  
  CONSTRAINT `fk_jobs_staff1` FOREIGN KEY (`staff_id`) REFERENCES `staff` (`staff_id`) ON  
DELETE NO ACTION ON UPDATE NO ACTION  
) ENGINE=InnoDB DEFAULT CHARSET=utf8;  
/*!40101 SET character_set_client = @saved_cs_client */;
```

```
--  
-- Dumping data for table `jobs`
```

```
--  
  
LOCK TABLES `jobs` WRITE;  
/*!40000 ALTER TABLE `jobs` DISABLE KEYS */;  
INSERT INTO `jobs` VALUES (1,'Doctor',111),(2,'Nurse',113),(3,'Advisor',112);  
/*!40000 ALTER TABLE `jobs` ENABLE KEYS */;  
UNLOCK TABLES;
```

```
--  
-- Table structure for table `medical_conditions`  
--
```

```
DROP TABLE IF EXISTS `medical_conditions`;  
/*!40101 SET @saved_cs_client = @@character_set_client */;  
/*!40101 SET character_set_client = utf8 */;  
CREATE TABLE `medical_conditions` (  
  `condition_code` int(11) NOT NULL,  
  `condition_name` varchar(45) DEFAULT NULL,  
  `description` varchar(45) DEFAULT NULL,  
  `other_details` varchar(45) DEFAULT NULL,  
  PRIMARY KEY (`condition_code`),  
  UNIQUE KEY `condition_code_UNIQUE` (`condition_code`)  
) ENGINE=InnoDB DEFAULT CHARSET=utf8;  
/*!40101 SET character_set_client = @saved_cs_client */;
```

```
--  
-- Dumping data for table `medical_conditions`  
--
```

```
LOCK TABLES `medical_conditions` WRITE;  
/*!40000 ALTER TABLE `medical_conditions` DISABLE KEYS */;  
INSERT INTO `medical_conditions` VALUES (1,'Diabetes','Medium  
diabetes',NULL),(2,'Jaundice','One year ago',NULL),(3,'Kidney  
stones','Present',NULL),(4,'Heart','Minor',NULL);  
/*!40000 ALTER TABLE `medical_conditions` ENABLE KEYS */;  
UNLOCK TABLES;
```

```
--  
-- Table structure for table `medications`
```

--

```
DROP TABLE IF EXISTS `medications`;
/*!40101 SET @saved_cs_client = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `medications` (
  `medication_code` int(11) NOT NULL,
  `medication_name` varchar(45) NOT NULL,
  `description` text,
  PRIMARY KEY (`medication_code`),
  UNIQUE KEY `medication_code_UNIQUE` (`medication_code`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
/*!40101 SET character_set_client = @saved_cs_client */;
```

--

-- Dumping data for table `medications`

--

```
LOCK TABLES `medications` WRITE;
/*!40000 ALTER TABLE `medications` DISABLE KEYS */;
INSERT INTO `medications` VALUES (1,'Epoxin','For diabetes'),(2,'Nemoxin','For
adies'),(3,'Fullstop','For LM');
/*!40000 ALTER TABLE `medications` ENABLE KEYS */;
UNLOCK TABLES;
```

--

-- Table structure for table `persons`

--

```
DROP TABLE IF EXISTS `persons`;
/*!40101 SET @saved_cs_client = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `persons` (
  `ssn_id` int(11) NOT NULL,
  `first_name` varchar(45) NOT NULL,
  `last_name` varchar(45) NOT NULL,
  `gender` varchar(45) NOT NULL,
  `donor_id` int(11) NOT NULL,
  `address_id` int(11) NOT NULL,
```

```

`group_id` int(11) NOT NULL,
`dob` date NOT NULL,
PRIMARY KEY (`ssn_id`),
UNIQUE KEY `ssn_id_UNIQUE` (`ssn_id`),
KEY `fk_Persons_donors1_idx` (`donor_id`),
KEY `fk_Persons_addresses1_idx` (`address_id`),
KEY `fk_Persons_blood_groups1_idx` (`group_id`),
CONSTRAINT `fk_Persons_addresses1` FOREIGN KEY (`address_id`) REFERENCES `addresses`
(`address_id`) ON DELETE NO ACTION ON UPDATE NO ACTION,
CONSTRAINT `fk_Persons_blood_groups1` FOREIGN KEY (`group_id`) REFERENCES
`blood_groups` (`group_id`) ON DELETE NO ACTION ON UPDATE NO ACTION,
CONSTRAINT `fk_Persons_donors1` FOREIGN KEY (`donor_id`) REFERENCES `donors`
(`donor_id`) ON DELETE NO ACTION ON UPDATE NO ACTION
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
/*!40101 SET character_set_client = @saved_cs_client */;

```

```

--
-- Dumping data for table `persons`
--

```

```

LOCK TABLES `persons` WRITE;
/*!40000 ALTER TABLE `persons` DISABLE KEYS */;
INSERT INTO `persons` VALUES (5554122,'Yash','Jain','M',2,1,2,'1994-12-
10'),(5554123,'Sai','Raghuram','M',3,1,1,'1994-12-20'),(5554124,'Karan','Bhatt','U',4,1,3,'1994-
12-31'),(5554126,'Kruti','Gosalia','F',5,2,4,'1994-12-
23'),(5554127,'Krishna','Choksi','F',1,2,2,'1994-12-29'),(5554128,'Prithvi','Yal','U',6,1,1,'1994-
12-26'),(5554151,'Lamas','Modulas','U',6,3,4,'1994-08-
07'),(5554171,'Laaefes','Modasffas','F',5,2,4,'1934-08-
07'),(5554181,'Vraj','Modi','M',5,2,4,'1994-12-07'),(5554184,'Isha','Modi','F',6,2,2,'1994-12-
18');
/*!40000 ALTER TABLE `persons` ENABLE KEYS */;
UNLOCK TABLES;
/*!50003 SET @saved_cs_client = @@character_set_client */;
/*!50003 SET @saved_cs_results = @@character_set_results */;
/*!50003 SET @saved_col_connection = @@collation_connection */;
/*!50003 SET character_set_client = utf8 */;
/*!50003 SET character_set_results = utf8 */;
/*!50003 SET collation_connection = utf8_general_ci */;
/*!50003 SET @saved_sql_mode = @@sql_mode */;

```

```

/*!50003 SET sql_mode          =
'STRICT_TRANS_TABLES,NO_AUTO_CREATE_USER,NO_ENGINE_SUBSTITUTION' */ ;
DELIMITER ;;
/*!50003 CREATE*/ /*!50017 DEFINER=`root`@`localhost`*/ /*!50003 trigger new_trigger
before insert
on persons
for each row
insert into trigger_time VALUES(NOW()) */;;
DELIMITER ;
/*!50003 SET sql_mode          = @saved_sql_mode */ ;
/*!50003 SET character_set_client = @saved_cs_client */ ;
/*!50003 SET character_set_results = @saved_cs_results */ ;
/*!50003 SET collation_connection = @saved_col_connection */ ;

--
-- Table structure for table `staff`
--

DROP TABLE IF EXISTS `staff`;
/*!40101 SET @saved_cs_client    = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `staff` (
  `staff_id` int(11) NOT NULL,
  `other_staff_details` text,
  `donor_id` int(11) NOT NULL,
  `ssn_id` int(11) NOT NULL,
  PRIMARY KEY (`staff_id`),
  UNIQUE KEY `staff_id_UNIQUE` (`staff_id`),
  KEY `fk_staff_Persons1_idx` (`ssn_id`),
  CONSTRAINT `fk_staff_Persons1` FOREIGN KEY (`ssn_id`) REFERENCES `persons` (`ssn_id`) ON
DELETE NO ACTION ON UPDATE NO ACTION
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `staff`
--

LOCK TABLES `staff` WRITE;

```

```
/*!40000 ALTER TABLE `staff` DISABLE KEYS */;  
INSERT INTO `staff` VALUES (111,'best donor',1,5554127),(112,'medium  
donor',2,5554128),(113,'universal donor',3,5554123);  
/*!40000 ALTER TABLE `staff` ENABLE KEYS */;  
UNLOCK TABLES;
```

```
--  
-- Table structure for table `trigger_time`  
--
```

```
DROP TABLE IF EXISTS `trigger_time`;  
/*!40101 SET @saved_cs_client = @@character_set_client */;  
/*!40101 SET character_set_client = utf8 */;  
CREATE TABLE `trigger_time` (  
  `execution_time` datetime NOT NULL  
) ENGINE=InnoDB DEFAULT CHARSET=utf8;  
/*!40101 SET character_set_client = @saved_cs_client */;
```

```
--  
-- Dumping data for table `trigger_time`  
--
```

```
LOCK TABLES `trigger_time` WRITE;  
/*!40000 ALTER TABLE `trigger_time` DISABLE KEYS */;  
INSERT INTO `trigger_time` VALUES ('2017-04-20 23:08:27'),('2017-04-20 23:11:32'),('2017-04-  
21 07:31:46'),('2017-04-21 13:14:07');  
/*!40000 ALTER TABLE `trigger_time` ENABLE KEYS */;  
UNLOCK TABLES;
```

```
--  
-- Temporary view structure for view `view1`  
--
```

```
DROP TABLE IF EXISTS `view1`;  
/*!50001 DROP VIEW IF EXISTS `view1` */;  
SET @saved_cs_client = @@character_set_client;  
SET character_set_client = utf8;  
/*!50001 CREATE VIEW `view1` AS SELECT  
1 AS `first_name`,
```

```

1 AS `last_name`,
1 AS `value`*/;
SET character_set_client = @saved_cs_client;

--
-- Temporary view structure for view `view2`
--

DROP TABLE IF EXISTS `view2`;
/*!50001 DROP VIEW IF EXISTS `view2`*/;
SET @saved_cs_client = @@character_set_client;
SET character_set_client = utf8;
/*!50001 CREATE VIEW `view2` AS SELECT
1 AS `first_name`,
1 AS `last_name`,
1 AS `full_name`*/;
SET character_set_client = @saved_cs_client;

--
-- Temporary view structure for view `view_fname`
--

DROP TABLE IF EXISTS `view_fname`;
/*!50001 DROP VIEW IF EXISTS `view_fname`*/;
SET @saved_cs_client = @@character_set_client;
SET character_set_client = utf8;
/*!50001 CREATE VIEW `view_fname` AS SELECT
1 AS `first_name`,
1 AS `last_name`,
1 AS `full_name`*/;
SET character_set_client = @saved_cs_client;

--
-- Temporary view structure for view `view_name`
--

DROP TABLE IF EXISTS `view_name`;
/*!50001 DROP VIEW IF EXISTS `view_name`*/;
SET @saved_cs_client = @@character_set_client;

```



```

SET character_set_client = utf8;
/*!50001 CREATE VIEW `view_name` AS SELECT
  1 AS `first_name`,
  1 AS `last_name`,
  1 AS `full_name`*/;
SET character_set_client = @saved_cs_client;

--
-- Temporary view structure for view `view_persons_details`
--

DROP TABLE IF EXISTS `view_persons_details`;
/*!50001 DROP VIEW IF EXISTS `view_persons_details`*/;
SET @saved_cs_client = @@character_set_client;
SET character_set_client = utf8;
/*!50001 CREATE VIEW `view_persons_details` AS SELECT
  1 AS `full_name`,
  1 AS `dob`,
  1 AS `gender`,
  1 AS `group_id`,
  1 AS `blood_group`*/;
SET character_set_client = @saved_cs_client;

--
-- Dumping events for database 'project_db'
--

--
-- Dumping routines for database 'project_db'
--
/*!50003 DROP PROCEDURE IF EXISTS `getDonor` */;
/*!50003 SET @saved_cs_client = @@character_set_client */;
/*!50003 SET @saved_cs_results = @@character_set_results */;
/*!50003 SET @saved_col_connection = @@collation_connection */;
/*!50003 SET character_set_client = utf8 */;
/*!50003 SET character_set_results = utf8 */;
/*!50003 SET collation_connection = utf8_general_ci */;
/*!50003 SET @saved_sql_mode = @@sql_mode */;

```

```

/*!50003 SET sql_mode          =
'STRICT_TRANS_TABLES,NO_AUTO_CREATE_USER,NO_ENGINE_SUBSTITUTION' */;
DELIMITER ;;
CREATE DEFINER=`root`@`localhost` PROCEDURE `getDonor`()
BEGIN

select persons.first_name, persons.last_name, donation_date, donation_id, persons.dob,
donations.details from persons
inner join donors on persons.donor_id=donors.donor_id
inner join donations on persons.donor_id = donations.donor_id
where donation_date = '2017-12-20' and details = "Donated A+";

END ;;
DELIMITER ;
/*!50003 SET sql_mode          = @saved_sql_mode */;
/*!50003 SET character_set_client = @saved_cs_client */;
/*!50003 SET character_set_results = @saved_cs_results */;
/*!50003 SET collation_connection = @saved_col_connection */;

--
-- Final view structure for view `view1`
--

/*!50001 DROP VIEW IF EXISTS `view1`*/;
/*!50001 SET @saved_cs_client      = @@character_set_client */;
/*!50001 SET @saved_cs_results    = @@character_set_results */;
/*!50001 SET @saved_col_connection = @@collation_connection */;
/*!50001 SET character_set_client  = utf8 */;
/*!50001 SET character_set_results = utf8 */;
/*!50001 SET collation_connection  = utf8_general_ci */;
/*!50001 CREATE ALGORITHM=UNDEFINED */
/*!50013 DEFINER=`root`@`localhost` SQL SECURITY DEFINER */
/*!50001 VIEW `view1` AS select `persons`.`first_name` AS `first_name`,`persons`.`last_name`
AS `last_name`,concat('first_name','last_name') AS `value` from `persons` */;
/*!50001 SET character_set_client  = @saved_cs_client */;
/*!50001 SET character_set_results = @saved_cs_results */;
/*!50001 SET collation_connection  = @saved_col_connection */;

--

```

-- Final view structure for view `view2`

--

```
/*!50001 DROP VIEW IF EXISTS `view2`*/;
/*!50001 SET @saved_cs_client      = @@character_set_client */;
/*!50001 SET @saved_cs_results    = @@character_set_results */;
/*!50001 SET @saved_col_connection = @@collation_connection */;
/*!50001 SET character_set_client  = utf8 */;
/*!50001 SET character_set_results = utf8 */;
/*!50001 SET collation_connection = utf8_general_ci */;
/*!50001 CREATE ALGORITHM=UNDEFINED */
/*!50013 DEFINER=`root`@`localhost` SQL SECURITY DEFINER */
/*!50001 VIEW `view2` AS select `persons`.`first_name` AS `first_name`,`persons`.`last_name`
AS `last_name`,concat('first_name','last_name') AS `full_name` from `persons` */;
/*!50001 SET character_set_client  = @saved_cs_client */;
/*!50001 SET character_set_results = @saved_cs_results */;
/*!50001 SET collation_connection  = @saved_col_connection */;
```

--

-- Final view structure for view `view_fname`

--

```
/*!50001 DROP VIEW IF EXISTS `view_fname`*/;
/*!50001 SET @saved_cs_client      = @@character_set_client */;
/*!50001 SET @saved_cs_results    = @@character_set_results */;
/*!50001 SET @saved_col_connection = @@collation_connection */;
/*!50001 SET character_set_client  = utf8 */;
/*!50001 SET character_set_results = utf8 */;
/*!50001 SET collation_connection  = utf8_general_ci */;
/*!50001 CREATE ALGORITHM=UNDEFINED */
/*!50013 DEFINER=`root`@`localhost` SQL SECURITY DEFINER */
/*!50001 VIEW `view_fname` AS select `persons`.`first_name` AS
`first_name`,`persons`.`last_name` AS `last_name`,concat(`persons`.`first_name`,`
`,`persons`.`last_name`) AS `full_name` from `persons` */;
/*!50001 SET character_set_client  = @saved_cs_client */;
/*!50001 SET character_set_results = @saved_cs_results */;
/*!50001 SET collation_connection  = @saved_col_connection */;
```

--

-- Final view structure for view `view_name`

--

```
/*!50001 DROP VIEW IF EXISTS `view_name`*/;
/*!50001 SET @saved_cs_client      = @@character_set_client */;
/*!50001 SET @saved_cs_results    = @@character_set_results */;
/*!50001 SET @saved_col_connection = @@collation_connection */;
/*!50001 SET character_set_client  = utf8 */;
/*!50001 SET character_set_results = utf8 */;
/*!50001 SET collation_connection  = utf8_general_ci */;
/*!50001 CREATE ALGORITHM=UNDEFINED */
/*!50013 DEFINER=`root`@`localhost` SQL SECURITY DEFINER */
/*!50001 VIEW `view_name` AS select `persons`.`first_name` AS
`first_name`,`persons`.`last_name` AS
`last_name`,concat(`persons`.`first_name`,`persons`.`last_name`) AS `full_name` from
`persons` */;
/*!50001 SET character_set_client  = @saved_cs_client */;
/*!50001 SET character_set_results = @saved_cs_results */;
/*!50001 SET collation_connection  = @saved_col_connection */;
```

--

-- Final view structure for view `view_persons_details`

--

```
/*!50001 DROP VIEW IF EXISTS `view_persons_details`*/;
/*!50001 SET @saved_cs_client      = @@character_set_client */;
/*!50001 SET @saved_cs_results    = @@character_set_results */;
/*!50001 SET @saved_col_connection = @@collation_connection */;
/*!50001 SET character_set_client  = utf8 */;
/*!50001 SET character_set_results = utf8 */;
/*!50001 SET collation_connection  = utf8_general_ci */;
/*!50001 CREATE ALGORITHM=UNDEFINED */
/*!50013 DEFINER=`root`@`localhost` SQL SECURITY DEFINER */
/*!50001 VIEW `view_persons_details` AS select concat(`persons`.`first_name`,`
`,`persons`.`last_name`) AS `full_name`,`persons`.`dob` AS `dob`,`persons`.`gender` AS
`gender`,`blood_groups`.`group_id` AS `group_id`,`blood_groups`.`blood_group` AS
`blood_group` from (`persons` join `blood_groups` on((`persons`.`group_id` =
`blood_groups`.`group_id`))) */;
/*!50001 SET character_set_client  = @saved_cs_client */;
```

```
/*!50001 SET character_set_results = @saved_cs_results */;  
/*!50001 SET collation_connection = @saved_col_connection */;  
/*!40103 SET TIME_ZONE=@OLD_TIME_ZONE */;  
  
/*!40101 SET SQL_MODE=@OLD_SQL_MODE */;  
/*!40014 SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS */;  
/*!40014 SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS */;  
/*!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 */;  
/*!40111 SET SQL_NOTES=@OLD_SQL_NOTES */;
```

```
-- Dump completed on 2017-04-21 19:15:21
```