

Hospital Database Management System

As I was growing up, I have seen my dad, who is a doctor, getting all worked up trying to figure out patient details from a hundred files or the patient losing precious time during the admission paperwork. That has led me to believe that there is a need for an efficient database that is responsible for storing and retrieving the patient and hospital data in the time of need saving a lot of precious time.

The time factor plays a major role in determining the patient's chances of survival, hence all the formalities and paperwork should be done quickly. This database is used to make that process easier.

Problem Statement: Hospitals need a fast and efficient database that maintains data about the Doctors, Staff, Patients, Insurance and Equipment.

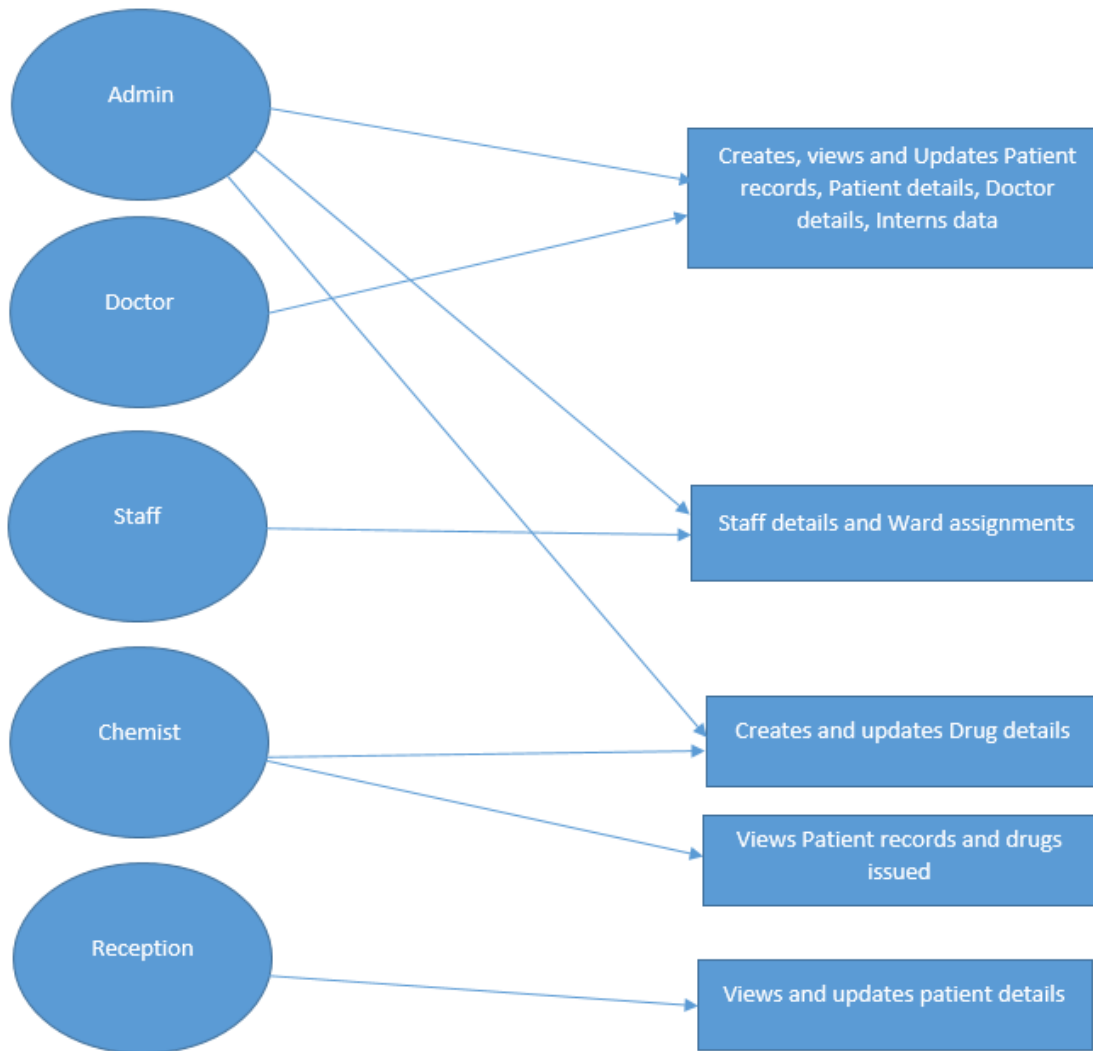
This database will allow the hospital to keep track of the current patients and store the records related to previous patients in case if it is needed in the future.

This will make the process of admission of a patient faster and more importantly easier for the families of the patients. It will also make sure that the hospital never runs out of essential equipment.

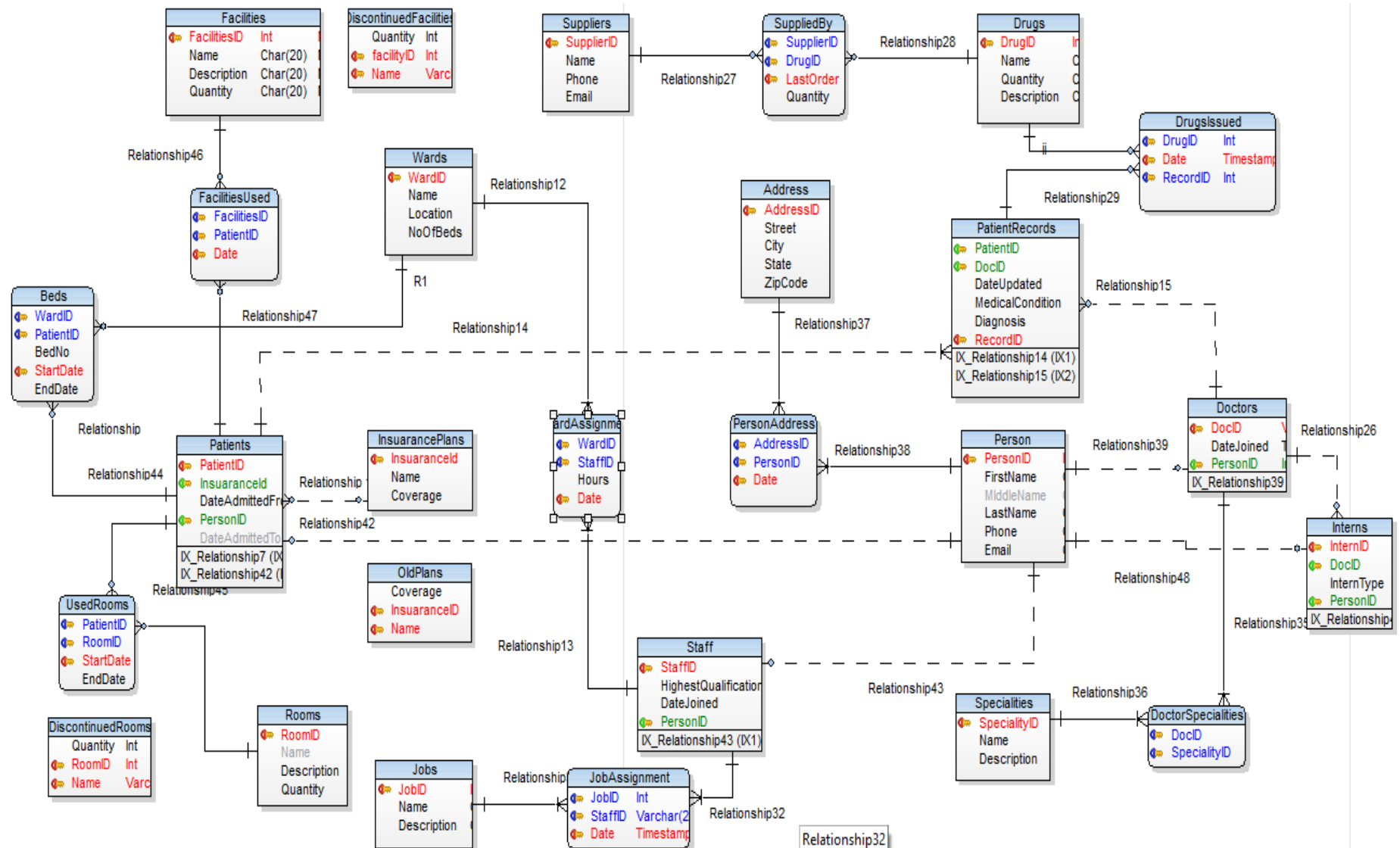
The Users that will be able to use this database are as follows,

Users: 1. Admin 2. Doctor 3. Staff 4. Chemist 5. Receptionist

Use case diagram



EER Diagrams



Stored Procedures:

a) Creates a User `ReceptionistJob` that creates a user for new receptionists and grants privileges based on the job.

```
1 CREATE DEFINER=`root`@`localhost` PROCEDURE `ReceptionJob`(IN username VARCHAR(215), IN pass VARCHAR(215))
2 BEGIN
3     SET @query1 = CONCAT('CREATE USER "', username, '"@"localhost" IDENTIFIED BY "', pass, '");
4     PREPARE stmt FROM @query1;
5     EXECUTE stmt;
6     DEALLOCATE PREPARE stmt;
7
8     SET @query1 = CONCAT('GRANT select,insert,update ON hospitaldatabase.receptionview TO "', username, '"@"localhost" IDENTIFIED BY "', pass, '"
9         with MAX_QUERIES_PER_HOUR 120
10        MAX_CONNECTIONS_PER_HOUR 60
11        MAX_UPDATES_PER_HOUR 60
12        MAX_USER_CONNECTIONS 10'
13    );
14    PREPARE stmt FROM @query1;
15    EXECUTE stmt;
16    DEALLOCATE PREPARE stmt;
17
18
19    SET @query1 = CONCAT('GRANT select,insert,update ON hospitaldatabase.person TO "', username, '"@"localhost" IDENTIFIED BY "', pass, '");
20    PREPARE stmt FROM @query1;
21    EXECUTE stmt;
22    DEALLOCATE PREPARE stmt;
23
24
25    SET @query1 = CONCAT('GRANT select,insert,update ON hospitaldatabase.address TO "', username, '"@"localhost" IDENTIFIED BY "', pass, '");
26    PREPARE stmt FROM @query1;
27    EXECUTE stmt;
28    DEALLOCATE PREPARE stmt;
29
30
31    SET @query1 = CONCAT('GRANT select,insert,update ON hospitaldatabase.personaddress TO "', username, '"@"localhost" IDENTIFIED BY "', pass, '");
32    PREPARE stmt FROM @query1;
33    EXECUTE stmt;
34    DEALLOCATE PREPARE stmt;
35
36    SET @query1 = CONCAT('GRANT select,insert,update ON hospitaldatabase.beds TO "', username, '"@"localhost" IDENTIFIED BY "', pass, '");
37    PREPARE stmt FROM @query1;
```

b) Creates a User `DoctorJob` that creates a user for new receptionists and grants privileges based on the job.

```
1 CREATE DEFINER='root'@'localhost' PROCEDURE `DoctorJob` (IN username VARCHAR(215), IN pass VARCHAR(215))
2 BEGIN
3     SET @query1 = CONCAT('CREATE USER "', username, '"@"localhost" IDENTIFIED BY "', pass, '");
4     PREPARE stmt FROM @query1;
5     EXECUTE stmt;
6     DEALLOCATE PREPARE stmt;
7
8     SET @query1 = CONCAT('GRANT select,insert,update,delete ON hospitaldatabase.patientrecords TO "', username, '"@"localhost" IDENTIFIED BY "', pass, '"
9         with MAX_QUERIES_PER_HOUR 120
10        MAX_CONNECTIONS_PER_HOUR 60
11        MAX_UPDATES_PER_HOUR 60
12        MAX_USER_CONNECTIONS 10'
13    );
14    PREPARE stmt FROM @query1;
15    EXECUTE stmt;
16    DEALLOCATE PREPARE stmt;
17
18
19    SET @query1 = CONCAT('GRANT select,insert,update,delete ON hospitaldatabase.drugsissued TO "', username, '"@"localhost" IDENTIFIED BY "', pass, '");
20    PREPARE stmt FROM @query1;
21    EXECUTE stmt;
22    DEALLOCATE PREPARE stmt;
23
24
25    SET @query1 = CONCAT('GRANT select,insert,update,delete ON hospitaldatabase.specialities TO "', username, '"@"localhost" IDENTIFIED BY "', pass, '");
26    PREPARE stmt FROM @query1;
27    EXECUTE stmt;
28    DEALLOCATE PREPARE stmt;
29
30
31    SET @query1 = CONCAT('GRANT select,insert,update,delete ON hospitaldatabase.doctorspecialities TO "', username, '"@"localhost" IDENTIFIED BY "', pass, '");
32    PREPARE stmt FROM @query1;
33    EXECUTE stmt;
34    DEALLOCATE PREPARE stmt;
35
36
37    SET @query1 = CONCAT('GRANT select,insert,update,delete ON hospitaldatabase.receptionview TO "', username, '"@"localhost" IDENTIFIED BY "', pass, '");
```

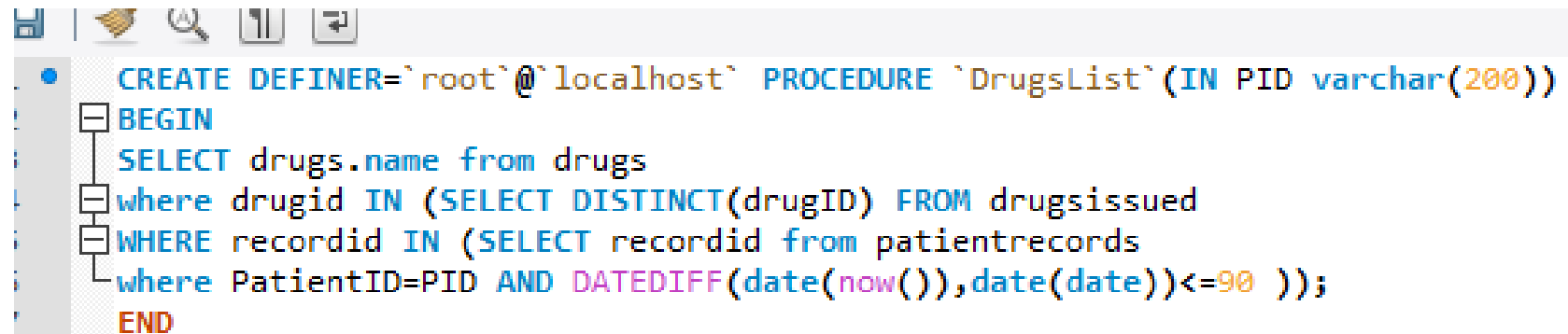
c) Creates a User `StaffJob` that creates a user for new receptionists and grants privileges based on the job.

```
1 CREATE DEFINER=`root`@`localhost` PROCEDURE `StaffJob`(IN username VARCHAR(215), IN pass VARCHAR(215))
2 BEGIN
3     SET @query1 = CONCAT('CREATE USER "', username, '"@"localhost" IDENTIFIED BY "', pass, '");
4     PREPARE stmt FROM @query1;
5     EXECUTE stmt;
6     DEALLOCATE PREPARE stmt;
7
8     SET @query1 = CONCAT('GRANT select ON hospitaldatabase.currentstaffassign TO "', username, '"@"localhost" IDENTIFIED BY "', pass, '"
9         with MAX_QUERIES_PER_HOUR 120
10        MAX_CONNECTIONS_PER_HOUR 60
11        MAX_UPDATES_PER_HOUR 60
12        MAX_USER_CONNECTIONS 10'
13    );
14    PREPARE stmt FROM @query1;
15    EXECUTE stmt;
16    DEALLOCATE PREPARE stmt;
17
18
19    SET @query1 = CONCAT('GRANT select,insert,update,delete ON hospitaldatabase.staff TO "', username, '"@"localhost" IDENTIFIED BY "', pass, '");
20    PREPARE stmt FROM @query1;
21    EXECUTE stmt;
22    DEALLOCATE PREPARE stmt;
23
24    SET @query1 = CONCAT('GRANT select ON hospitaldatabase.wardassignment TO "', username, '"@"localhost" IDENTIFIED BY "', pass, '");
25    PREPARE stmt FROM @query1;
26    EXECUTE stmt;
27    DEALLOCATE PREPARE stmt;
28
29    SET @query1 = CONCAT('GRANT select ON hospitaldatabase.drugsissued TO "', username, '"@"localhost" IDENTIFIED BY "', pass, '");
30    PREPARE stmt FROM @query1;
31    EXECUTE stmt;
32    DEALLOCATE PREPARE stmt;
33
34    SET @query1 = CONCAT('GRANT select ON hospitaldatabase.patientrecords TO "', username, '"@"localhost" IDENTIFIED BY "', pass, '");
35    PREPARE stmt FROM @query1;
36    EXECUTE stmt;
37    DEALLOCATE PREPARE stmt;
```

d) Creates a User `ChemistJob` that creates a user for new receptionists and grants privileges based on the job.

```
1 CREATE DEFINER=`root`@`localhost` PROCEDURE `ChemistJob`(IN username VARCHAR(215), IN pass VARCHAR(215))
2 BEGIN
3     SET @query1 = CONCAT('CREATE USER ', username, '@"localhost" IDENTIFIED BY ', pass, '');
4     PREPARE stmt FROM @query1;
5     EXECUTE stmt;
6     DEALLOCATE PREPARE stmt;
7
8     SET @query1 = CONCAT('GRANT select,insert,update,delete ON hospitaldatabase.suppliers TO ', username, '@"localhost" IDENTIFIED BY ', pass, ''
9         with MAX_QUERIES_PER_HOUR 120
10         MAX_CONNECTIONS_PER_HOUR 60
11         MAX_UPDATES_PER_HOUR 60
12         MAX_USER_CONNECTIONS 10'
13     );
14     PREPARE stmt FROM @query1;
15     EXECUTE stmt;
16     DEALLOCATE PREPARE stmt;
17
18
19     SET @query1 = CONCAT('GRANT select,insert,update,delete ON hospitaldatabase.drugs TO ', username, '@"localhost" IDENTIFIED BY ', pass, '');
20     PREPARE stmt FROM @query1;
21     EXECUTE stmt;
22     DEALLOCATE PREPARE stmt;
23
24
25     SET @query1 = CONCAT('GRANT select,insert,update,delete ON hospitaldatabase.suppliedby TO ', username, '@"localhost" IDENTIFIED BY ', pass, '');
26     PREPARE stmt FROM @query1;
27     EXECUTE stmt;
28     DEALLOCATE PREPARE stmt;
29
30
31     SET @query1 = CONCAT('GRANT select ON hospitaldatabase.patientrecords TO ', username, '@"localhost" IDENTIFIED BY ', pass, '');
32     PREPARE stmt FROM @query1;
33     EXECUTE stmt;
34     DEALLOCATE PREPARE stmt;
35
36
37     SET @query1 = CONCAT('GRANT select ON hospitaldatabase.drugsissued TO ', username, '@"localhost" IDENTIFIED BY ', pass, '');
38     PREPARE stmt FROM @query1;
39     EXECUTE stmt;
40     DEALLOCATE PREPARE stmt;
```

e) Gives a list of the drugs the patient is on since the last 90 days.



The screenshot shows a SQL IDE window with a toolbar at the top containing icons for file operations, execution, and search. Below the toolbar, a code editor displays the following SQL code:

```
CREATE DEFINER='root'@'localhost' PROCEDURE `DrugsList`(IN PID varchar(200))
BEGIN
  SELECT drugs.name from drugs
  where drugid IN (SELECT DISTINCT(drugID) FROM drugsissued
  WHERE recordid IN (SELECT recordid from patientrecords
  where PatientID=PID AND DATEDIFF(date(now()),date(date))<=90 ));
END
```


Views:

a) Reception view: This is needed for the receptionist to attend the family members of existing patients and creating new records for patients.

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	First Name	Last Name	bedno	Admitted at	RoomID	Admitted at
	Wonder	Woman	32	2017-04-20 23:40:51.000	1	2017-04-21 11:44:00.1878
	Gaurav	Korgaonkar	NULL	NULL	2	2017-04-21 11:44:00.1878
	Ander	Herrera	NULL	NULL	NULL	NULL

b) Patient's view: Shows the details related to patients and the insurance that covers them.

Result Grid

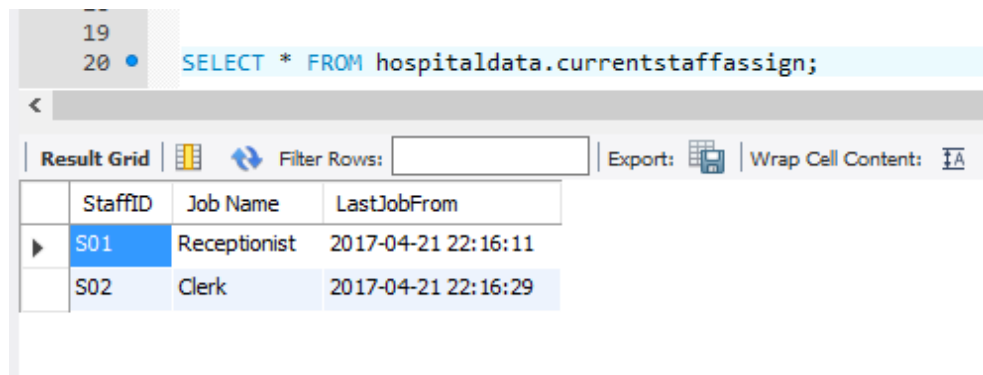
Filter Rows:

Export:

Wrap Cell Content:

	First Name	Last Name	DateAdmitted	InsuaranceName	coverage
▶	Wonder	Woman	2017-04-17 17:42:25	GG	250000
	Gaurav	Korgaonkar	2017-04-17 17:41:08	PP	300000
	Ander	Herrera	2017-04-17 17:42:42	GG	250000

c) Current Staff Jobs: This view's only purpose is that the staff user can have select privilege on this particular view so he can see the job that has currently been assigned to him.



The screenshot shows a database management tool interface. At the top, a SQL query is entered in a text area: `SELECT * FROM hospitaldata.currentstaffassign;`. Below the query area, there is a toolbar with options like 'Result Grid', 'Filter Rows', 'Export', and 'Wrap Cell Content'. The main area displays a table with the results of the query.

	StaffID	Job Name	LastJobFrom
▶	S01	Receptionist	2017-04-21 22:16:11
	S02	Clerk	2017-04-21 22:16:29

Triggers:

a) Triggers have been placed on tables like facilities, insurance plans and rooms to keep track of the current rooms available and the rooms, plans or facilities that were discontinued.

```
delimiter \\  
CREATE TRIGGER OldPlans AFTER DELETE ON insuaranceplans  
FOR EACH ROW  
BEGIN  
INSERT INTO OldPlans values (old.InsuaranceId,old.name,old.Coverage,now());  
END; \\  
  
delimiter \\  
CREATE TRIGGER DiscontinuedRooms AFTER DELETE ON rooms  
FOR EACH ROW  
BEGIN  
INSERT INTO OldPlans values (old.RoomID,old.name,old.quantity,now());  
END; \\  
  
delimiter \\  
CREATE TRIGGER DiscontinuedFacilities AFTER DELETE ON facilities  
FOR EACH ROW  
BEGIN  
INSERT INTO OldPlans values (old.facilitiesID,old.name,old.quantity,now());  
END; \\  

```

b) Triggers have also been placed for validation of email addresses on personal details of persons and suppliers.

```
305 DELIMITER \\  
306 • CREATE TRIGGER `EmailValidationPerson`  
307     BEFORE INSERT  
308     ON `person`  
309     FOR EACH ROW  
310     BEGIN  
311         IF NEW.`email` NOT LIKE '%_@%_._%'  
312         THEN  
313             SIGNAL SQLSTATE VALUE '45000'  
314             SET MESSAGE_TEXT = 'email column is not valid';  
315         END IF;  
316     END; \\  
317  
318 DELIMITER \\  
319 • CREATE TRIGGER `EmailValidationSupplier`  
320     BEFORE INSERT  
321     ON suppliers  
322     FOR EACH ROW  
323     BEGIN  
324         IF NEW.`email` NOT LIKE '%_@%_._%'  
325         THEN  
326             SIGNAL SQLSTATE VALUE '45000'  
327             SET MESSAGE_TEXT = 'email column is not valid';  
328         END IF;  
329     END; \\  
330  
331
```

Functions:

- Functions were used to find out suppliers for a specific drugid and the number of drugs the patient has taken in the last 90 days.

```
1
2  -- Functions
3  delimiter \
4  • CREATE FUNCTION NoOfSuppliers (dID int) returns INT
5  DETERMINISTIC
6  BEGIN
7  declare count int;
8  SET count = (SELECT count(*) FROM hospitaldatabase.suppliedby
9  where drugid = dID);
10 return count;
11 END \
12
13 SELECT NoOfSuppliers(1)
14
15 delimiter \
16 • CREATE FUNCTION NoOfDrugss (pID varchar(200)) returns INT
17 DETERMINISTIC
18 BEGIN
19 declare count int;
20 SET count = (SELECT count(DISTINCT(DrugID)) as `DrugsUsed`
21 FROM hospitaldatabase.drugsissued
22 JOIN patientrecords ON patientrecords.recordid=drugsissued.recordid
23 where patientid=pID AND DATEDIFF(date(now()),date(date))<=90 );
24 return count;
25 END \
26
```

DUMP FILE:

```
CREATE DATABASE IF NOT EXISTS `hospitaldata` /*!40100 DEFAULT CHARACTER SET utf8 */;
USE `hospitaldata`;
-- MySQL dump 10.13 Distrib 5.7.12, for Win64 (x86_64)
--
-- Host: localhost Database: hospitaldata
--
-- 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 `address`
```

```
--
```

```
DROP TABLE IF EXISTS `address`;
```

```
/*!40101 SET @saved_cs_client = @@character_set_client */;
```

```
/*!40101 SET character_set_client = utf8 */;
```

```
CREATE TABLE `address` (
```

```
  `AddressID` int(11) NOT NULL AUTO_INCREMENT,
```

```
  `Street` char(20) NOT NULL,
```

```
  `City` char(20) NOT NULL,
```

```
  `State` char(20) NOT NULL,
```

```
  `ZipCode` char(20) NOT NULL,
```

```
  PRIMARY KEY (`AddressID`)
```

```
) ENGINE=InnoDB AUTO_INCREMENT=5 DEFAULT CHARSET=utf8;
```

```
/*!40101 SET character_set_client = @saved_cs_client */;
```

```
--
```

```
-- Dumping data for table `address`
```

```
--
```

```
LOCK TABLES `address` WRITE;
```

```
/*!40000 ALTER TABLE `address` DISABLE KEYS */;
```

```
INSERT INTO `address` VALUES
```

```
(1,'Tremont','Boston','MA','2214'),(2,'Boylston','Boston','MA','2134'),(3,'Tremont','NewTon','MA','1232'),(4,'Boylston','New  
ton','MA','1233');
```

```
/*!40000 ALTER TABLE `address` ENABLE KEYS */;
```

```
UNLOCK TABLES;
```

```
--
```

```
-- Table structure for table `beds`
```

```
--
```

```
DROP TABLE IF EXISTS `beds`;
```



```
/*!40101 SET @saved_cs_client = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `beds` (
  `WardID` varchar(20) NOT NULL,
  `PatientID` varchar(20) NOT NULL,
  `BedNo` varchar(10) NOT NULL,
  `StartDate` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP,
  `EndDate` timestamp NOT NULL DEFAULT '0000-00-00 00:00:00',
  PRIMARY KEY (`WardID`,`PatientID`,`StartDate`),
  UNIQUE KEY `StartDate` (`StartDate`),
  KEY `Relationship` (`PatientID`),
  CONSTRAINT `R1` FOREIGN KEY (`WardID`) REFERENCES `wards` (`WardID`),
  CONSTRAINT `Relationship` FOREIGN KEY (`PatientID`) REFERENCES `patients` (`PatientID`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `beds`
```

--

LOCK TABLES `beds` WRITE;

/*!40000 ALTER TABLE `beds` DISABLE KEYS */;

INSERT INTO `beds` VALUES ('1','PA01','33','2017-04-22 02:10:10','0000-00-00 00:00:00'),('2','PA02','43','2017-04-22 02:10:18','0000-00-00 00:00:00');

/*!40000 ALTER TABLE `beds` ENABLE KEYS */;

UNLOCK TABLES;

--

-- Temporary view structure for view `currentstaffassign`

--

DROP TABLE IF EXISTS `currentstaffassign`;

/*!50001 DROP VIEW IF EXISTS `currentstaffassign`*/;

SET @saved_cs_client = @@character_set_client;

SET character_set_client = utf8;

/*!50001 CREATE VIEW `currentstaffassign` AS SELECT

1 AS `StaffID`,

```
1 AS `Job Name`,
1 AS `LastJobFrom`*/;
SET character_set_client = @saved_cs_client;

--
-- Table structure for table `discontinuedfacilities`
--

DROP TABLE IF EXISTS `discontinuedfacilities`;
/*!40101 SET @saved_cs_client = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `discontinuedfacilities` (
  `FacilityID` int(11) DEFAULT NULL,
  `Name` varchar(200) DEFAULT NULL,
  `Date` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
/*!40101 SET character_set_client = @saved_cs_client */;
```

--

-- Dumping data for table `discontinuedfacilities`

--

LOCK TABLES `discontinuedfacilities` WRITE;

/*!40000 ALTER TABLE `discontinuedfacilities` DISABLE KEYS */;

/*!40000 ALTER TABLE `discontinuedfacilities` ENABLE KEYS */;

UNLOCK TABLES;

--

-- Table structure for table `discontinuedrooms`

--

DROP TABLE IF EXISTS `discontinuedrooms`;

/*!40101 SET @saved_cs_client = @@character_set_client */;

/*!40101 SET character_set_client = utf8 */;

CREATE TABLE `discontinuedrooms` (

 `RoomID` int(11) DEFAULT NULL,

```
`Name` varchar(200) DEFAULT NULL,  
`Date` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP  
) ENGINE=InnoDB DEFAULT CHARSET=utf8;  
/*!40101 SET character_set_client = @saved_cs_client */;
```

```
--
```

```
-- Dumping data for table `discontinuedrooms`
```

```
--
```

```
LOCK TABLES `discontinuedrooms` WRITE;  
/*!40000 ALTER TABLE `discontinuedrooms` DISABLE KEYS */;  
/*!40000 ALTER TABLE `discontinuedrooms` ENABLE KEYS */;  
UNLOCK TABLES;
```

```
--
```

```
-- Table structure for table `doctors`
```

```
--
```

```
DROP TABLE IF EXISTS `doctors`;
```

```
/*!40101 SET @saved_cs_client = @@character_set_client */;
```

```
/*!40101 SET character_set_client = utf8 */;
```

```
CREATE TABLE `doctors` (
```

```
  `DocID` varchar(20) NOT NULL,
```

```
  `DateJoined` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP,
```

```
  `PersonID` int(11) NOT NULL,
```

```
  PRIMARY KEY (`DocID`),
```

```
  KEY `IX_Relationship39` (`PersonID`),
```

```
  CONSTRAINT `Relationship39` FOREIGN KEY (`PersonID`) REFERENCES `person` (`PersonID`)
```

```
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
```

```
/*!40101 SET character_set_client = @saved_cs_client */;
```

```
--
```

```
-- Dumping data for table `doctors`
```

```
--
```

```
LOCK TABLES `doctors` WRITE;
```

```
/*!40000 ALTER TABLE `doctors` DISABLE KEYS */;
```

```
INSERT INTO `doctors` VALUES ('DC01','2017-04-22 02:06:52',4),('DC02','2017-04-22 02:06:52',5),('DC03','2017-04-22 02:06:52',6);
```

```
/*!40000 ALTER TABLE `doctors` ENABLE KEYS */;
```

```
UNLOCK TABLES;
```

```
--
```

```
-- Table structure for table `doctorspecialities`
```

```
--
```

```
DROP TABLE IF EXISTS `doctorspecialities`;
```

```
/*!40101 SET @saved_cs_client = @@character_set_client */;
```

```
/*!40101 SET character_set_client = utf8 */;
```

```
CREATE TABLE `doctorspecialities` (
```

```
  `DocID` varchar(20) NOT NULL,
```

```
  `SpecialityID` int(11) NOT NULL,
```

```
  PRIMARY KEY (`DocID`,`SpecialityID`),
```

```
  KEY `Relationship36` (`SpecialityID`),
```

```
CONSTRAINT `Relationship35` FOREIGN KEY (`DocID`) REFERENCES `doctors` (`DocID`) ON DELETE CASCADE ON UPDATE CASCADE,
```

```
CONSTRAINT `Relationship36` FOREIGN KEY (`SpecialityID`) REFERENCES `specialities` (`SpecialityID`)
```

```
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
```

```
/*!40101 SET character_set_client = @saved_cs_client */;
```

```
--
```

```
-- Dumping data for table `doctorspecialities`
```

```
--
```

```
LOCK TABLES `doctorspecialities` WRITE;
```

```
/*!40000 ALTER TABLE `doctorspecialities` DISABLE KEYS */;
```

```
INSERT INTO `doctorspecialities` VALUES ('DC01',1),('DC02',2);
```

```
/*!40000 ALTER TABLE `doctorspecialities` ENABLE KEYS */;
```

```
UNLOCK TABLES;
```

```
--
```

```
-- Table structure for table `drugs`
```

```
--
```



```
DROP TABLE IF EXISTS `drugs`;

/*!40101 SET @saved_cs_client = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;

CREATE TABLE `drugs` (
  `DrugID` int(11) NOT NULL AUTO_INCREMENT,
  `Name` char(20) NOT NULL,
  `Quantity` char(20) NOT NULL,
  `Description` char(150) NOT NULL,
  PRIMARY KEY (`DrugID`)
) ENGINE=InnoDB AUTO_INCREMENT=5 DEFAULT CHARSET=utf8;

/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `drugs`
--

LOCK TABLES `drugs` WRITE;
```

```
/*!40000 ALTER TABLE `drugs` DISABLE KEYS */;

INSERT INTO `drugs` VALUES
(1,'Paracetamol','33','Tablet'),(2,'Dolo','21','syrup'),(3,'Crocina','26','tablet'),(4,'Amter','54','syrup');

/*!40000 ALTER TABLE `drugs` ENABLE KEYS */;

UNLOCK TABLES;


--
-- Table structure for table `drugsissued`
--

DROP TABLE IF EXISTS `drugsissued`;

/*!40101 SET @saved_cs_client = @@character_set_client */;

/*!40101 SET character_set_client = utf8 */;

CREATE TABLE `drugsissued` (
  `DrugID` int(11) NOT NULL,
  `Date` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP,
  `RecordID` int(11) NOT NULL,
  PRIMARY KEY (`DrugID`,`RecordID`,`Date`),
  KEY `Relationship29` (`RecordID`),
```

```
CONSTRAINT `Relationship29` FOREIGN KEY (`RecordID`) REFERENCES `patientrecords` (`RecordID`),
CONSTRAINT `jj` FOREIGN KEY (`DrugID`) REFERENCES `drugs` (`DrugID`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `drugsissued`
--

LOCK TABLES `drugsissued` WRITE;
/*!40000 ALTER TABLE `drugsissued` DISABLE KEYS */;
INSERT INTO `drugsissued` VALUES (1,'2017-04-22 02:22:22',1),(2,'2017-04-22 02:22:22',2);
/*!40000 ALTER TABLE `drugsissued` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `facilities`
--
```

```
DROP TABLE IF EXISTS `facilities`;

/*!40101 SET @saved_cs_client = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;

CREATE TABLE `facilities` (
  `FacilitiesID` int(11) NOT NULL,
  `Name` char(20) NOT NULL,
  `Description` char(20) NOT NULL,
  `Quantity` char(20) NOT NULL,
  PRIMARY KEY (`FacilitiesID`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8;

/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `facilities`
--

LOCK TABLES `facilities` WRITE;
```

```

/*!40000 ALTER TABLE `facilities` DISABLE KEYS */;

INSERT INTO `facilities` VALUES (1,'MRI','mri','2'),(2,'XRay','xray','3'),(3,'OR','or','4');

/*!40000 ALTER TABLE `facilities` 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 DiscontinuedFacilities AFTER DELETE ON
facilities

FOR EACH ROW

BEGIN

INSERT INTO OldPlans values (old.facilitiesID,old.name,old.quantity,now());

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 */;

--

-- Table structure for table `facilitiesused`

--

DROP TABLE IF EXISTS `facilitiesused`;

/*!40101 SET @saved_cs_client = @@character_set_client */;

/*!40101 SET character_set_client = utf8 */;

CREATE TABLE `facilitiesused` (

`FacilitiesID` int(11) NOT NULL,

`PatientID` varchar(20) NOT NULL,

`Date` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP,

PRIMARY KEY (`FacilitiesID`, `PatientID`, `Date`),

```
UNIQUE KEY `Date` (`Date`),
KEY `Relationship47` (`PatientID`),
CONSTRAINT `Relationship46` FOREIGN KEY (`FacilitiesID`) REFERENCES `facilities` (`FacilitiesID`),
CONSTRAINT `Relationship47` FOREIGN KEY (`PatientID`) REFERENCES `patients` (`PatientID`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `facilitiesused`
--

LOCK TABLES `facilitiesused` WRITE;
/*!40000 ALTER TABLE `facilitiesused` DISABLE KEYS */;
INSERT INTO `facilitiesused` VALUES (1,'PA02','2017-04-22 02:12:00'),(2,'PA02','2017-04-22 02:12:19');
/*!40000 ALTER TABLE `facilitiesused` ENABLE KEYS */;
UNLOCK TABLES;

--
```

```
-- Table structure for table `insuaranceplans`
```

```
--
```

```
DROP TABLE IF EXISTS `insuaranceplans`;
```

```
/*!40101 SET @saved_cs_client = @@character_set_client */;
```

```
/*!40101 SET character_set_client = utf8 */;
```

```
CREATE TABLE `insuaranceplans` (
```

```
  `InsuaranceId` int(11) NOT NULL AUTO_INCREMENT,
```

```
  `Name` char(20) NOT NULL,
```

```
  `Coverage` int(11) NOT NULL,
```

```
  PRIMARY KEY (`InsuaranceId`)
```

```
) ENGINE=InnoDB AUTO_INCREMENT=4 DEFAULT CHARSET=utf8;
```

```
/*!40101 SET character_set_client = @saved_cs_client */;
```

```
--
```

```
-- Dumping data for table `insuaranceplans`
```

```
--
```



```

LOCK TABLES `insuaranceplans` WRITE;

/*!40000 ALTER TABLE `insuaranceplans` DISABLE KEYS */;

INSERT INTO `insuaranceplans` VALUES (1,'MedicoIns',25000),(2,'Palmco',30000),(3,'MajorE',40000);

/*!40000 ALTER TABLE `insuaranceplans` 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 OldPlans AFTER DELETE ON
insuaranceplans

FOR EACH ROW

BEGIN

INSERT INTO OldPlans values (old.InsuaranceId,old.name,old.Coverage,now());

```

```
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 */;

--

-- Table structure for table `interns`

--

DROP TABLE IF EXISTS `interns`;

/*!40101 SET @saved_cs_client  = @@character_set_client */;

/*!40101 SET character_set_client = utf8 */;

CREATE TABLE `interns` (

  `InternID` varchar(20) NOT NULL,

  `DocID` varchar(20) NOT NULL,

  `InternType` char(20) NOT NULL,
```

```
`PersonID` int(11) NOT NULL,  
PRIMARY KEY (`InternID`),  
KEY `IX_Relationship48` (`PersonID`),  
KEY `Relationship26` (`DocID`),  
CONSTRAINT `Relationship26` FOREIGN KEY (`DocID`) REFERENCES `doctors` (`DocID`),  
CONSTRAINT `Relationship48` FOREIGN KEY (`PersonID`) REFERENCES `person` (`PersonID`)  
) ENGINE=InnoDB DEFAULT CHARSET=utf8;  
/*!40101 SET character_set_client = @saved_cs_client */;  
  
--  
-- Dumping data for table `interns`  
--  
  
LOCK TABLES `interns` WRITE;  
/*!40000 ALTER TABLE `interns` DISABLE KEYS */;  
INSERT INTO `interns` VALUES ('1','DC01','Surgeon',9);  
/*!40000 ALTER TABLE `interns` ENABLE KEYS */;  
UNLOCK TABLES;
```

--

-- Table structure for table `jobassignment`

--

DROP TABLE IF EXISTS `jobassignment`;

/*!40101 SET @saved_cs_client = @@character_set_client */;

/*!40101 SET character_set_client = utf8 */;

CREATE TABLE `jobassignment` (

`JobID` int(11) NOT NULL,

`StaffID` varchar(20) NOT NULL,

`Date` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP,

PRIMARY KEY (`JobID`,`StaffID`,`Date`),

UNIQUE KEY `Date` (`Date`),

KEY `Relationship32` (`StaffID`),

CONSTRAINT `Relationship31` FOREIGN KEY (`JobID`) REFERENCES `jobs` (`JobID`),

CONSTRAINT `Relationship32` FOREIGN KEY (`StaffID`) REFERENCES `staff` (`StaffID`) ON DELETE CASCADE

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

```
/*!40101 SET character_set_client = @saved_cs_client */;
```

```
--
```

```
-- Dumping data for table `jobassignment`
```

```
--
```

```
LOCK TABLES `jobassignment` WRITE;
```

```
/*!40000 ALTER TABLE `jobassignment` DISABLE KEYS */;
```

```
INSERT INTO `jobassignment` VALUES (1,'S01','2017-04-22 02:16:11'),(2,'S02','2017-04-22 02:16:22'),(3,'S02','2017-04-22 02:16:29');
```

```
/*!40000 ALTER TABLE `jobassignment` 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` (
  `JobID` int(11) NOT NULL AUTO_INCREMENT,
  `Name` char(20) NOT NULL,
  `Description` char(20) NOT NULL,
  PRIMARY KEY (`JobID`),
  UNIQUE KEY `JobID` (`JobID`)
) ENGINE=InnoDB AUTO_INCREMENT=4 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,'Receptionist','is at reception'),(2,'Clerk','cleans and stuff'),(3,'Nurse','Nurse');

/*!40000 ALTER TABLE `jobs` ENABLE KEYS */;
```

```
UNLOCK TABLES;
```

```
--
```

```
-- Table structure for table `oldplans`
```

```
--
```

```
DROP TABLE IF EXISTS `oldplans`;
```

```
/*!40101 SET @saved_cs_client = @@character_set_client */;
```

```
/*!40101 SET character_set_client = utf8 */;
```

```
CREATE TABLE `oldplans` (
```

```
  `InsuaranceID` int(11) DEFAULT NULL,
```

```
  `InsuaranceName` varchar(200) DEFAULT NULL,
```

```
  `coverage` int(11) DEFAULT NULL,
```

```
  `Today` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP
```

```
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
```

```
/*!40101 SET character_set_client = @saved_cs_client */;
```

```
--
```

```
-- Dumping data for table `oldplans`
```

```
--
```

```
LOCK TABLES `oldplans` WRITE;
```

```
/*!40000 ALTER TABLE `oldplans` DISABLE KEYS */;
```

```
/*!40000 ALTER TABLE `oldplans` ENABLE KEYS */;
```

```
UNLOCK TABLES;
```

```
--
```

```
-- Table structure for table `patientrecords`
```

```
--
```

```
DROP TABLE IF EXISTS `patientrecords`;
```

```
/*!40101 SET @saved_cs_client = @@character_set_client */;
```

```
/*!40101 SET character_set_client = utf8 */;
```

```
CREATE TABLE `patientrecords` (
```

```
  `PatientID` varchar(20) NOT NULL,
```

```
  `DocID` varchar(20) NOT NULL,
```



```
`DateUpdated` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP,  
`MedicalCondition` char(100) NOT NULL,  
`Diagnosis` char(100) NOT NULL,  
`RecordID` int(11) NOT NULL AUTO_INCREMENT,  
PRIMARY KEY (`RecordID`),  
UNIQUE KEY `RecordID` (`RecordID`),  
KEY `IX_Relationship14` (`PatientID`),  
KEY `IX_Relationship15` (`DocID`),  
CONSTRAINT `Relationship14` FOREIGN KEY (`PatientID`) REFERENCES `patients` (`PatientID`),  
CONSTRAINT `Relationship15` FOREIGN KEY (`DocID`) REFERENCES `doctors` (`DocID`)  
) ENGINE=InnoDB AUTO_INCREMENT=3 DEFAULT CHARSET=utf8;  
/*!40101 SET character_set_client = @saved_cs_client */;  
  
--  
-- Dumping data for table `patientrecords`  
--  
  
LOCK TABLES `patientrecords` WRITE;
```

```
/*!40000 ALTER TABLE `patientrecords` DISABLE KEYS */;
```

```
INSERT INTO `patientrecords` VALUES ('PA01','DC01','2017-04-22 02:17:36','Diabetes','Urgent',1),('PA02','DC02','2017-04-22 02:17:36','Cold','Mild',2);
```

```
/*!40000 ALTER TABLE `patientrecords` ENABLE KEYS */;
```

```
UNLOCK TABLES;
```

```
--
```

```
-- Table structure for table `patients`
```

```
--
```

```
DROP TABLE IF EXISTS `patients`;
```

```
/*!40101 SET @saved_cs_client = @@character_set_client */;
```

```
/*!40101 SET character_set_client = utf8 */;
```

```
CREATE TABLE `patients` (
```

```
  `PatientID` varchar(20) NOT NULL,
```

```
  `InsuaranceId` int(11) DEFAULT NULL,
```

```
  `DateAdmittedFrom` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP,
```

```
  `PersonID` int(11) NOT NULL,
```

```
  `DateAdmittedTo` timestamp NULL DEFAULT NULL,
```

```
PRIMARY KEY (`PatientID`),
KEY `IX_Relationship7` (`InsuarancelId`),
KEY `IX_Relationship42` (`PersonID`),
CONSTRAINT `Relationship 1` FOREIGN KEY (`InsuarancelId`) REFERENCES `insuaranceplans` (`InsuarancelId`),
CONSTRAINT `Relationship42` FOREIGN KEY (`PersonID`) REFERENCES `person` (`PersonID`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `patients`
--

LOCK TABLES `patients` WRITE;
/*!40000 ALTER TABLE `patients` DISABLE KEYS */;
INSERT INTO `patients` VALUES ('PA01',1,'2017-04-22 02:05:58',1,NULL),('PA02',2,'2017-04-22
02:05:58',2,NULL),('PA03',1,'2017-04-22 02:05:58',3,NULL);
/*!40000 ALTER TABLE `patients` ENABLE KEYS */;
UNLOCK TABLES;
```

--

-- Temporary view structure for view `patientsview`

--

DROP TABLE IF EXISTS `patientsview`;

/*!50001 DROP VIEW IF EXISTS `patientsview`*/;

SET @saved_cs_client = @@character_set_client;

SET character_set_client = utf8;

/*!50001 CREATE VIEW `patientsview` AS SELECT

1 AS `First Name`,

1 AS `Last Name`,

1 AS `DateAdmittedFrom`,

1 AS `InsuaranceName`,

1 AS `coverage`*/;

SET character_set_client = @saved_cs_client;

--

-- Table structure for table `person`

--

```
DROP TABLE IF EXISTS `person`;  
  
/*!40101 SET @saved_cs_client = @@character_set_client */;  
/*!40101 SET character_set_client = utf8 */;  
  
CREATE TABLE `person` (  
  `PersonID` int(11) NOT NULL AUTO_INCREMENT,  
  `FirstName` char(20) NOT NULL,  
  `MiddleName` char(20) DEFAULT NULL,  
  `LastName` char(20) NOT NULL,  
  `Phone` char(20) NOT NULL,  
  `Email` char(20) NOT NULL,  
  PRIMARY KEY (`PersonID`),  
  UNIQUE KEY `PersonID` (`PersonID`)  
) ENGINE=InnoDB AUTO_INCREMENT=10 DEFAULT CHARSET=utf8;  
  
/*!40101 SET character_set_client = @saved_cs_client */;
```

--

```
-- Dumping data for table `person`
```

```
--
```

```
LOCK TABLES `person` WRITE;
```

```
/*!40000 ALTER TABLE `person` DISABLE KEYS */;
```

```
INSERT INTO `person` VALUES
```

```
(1,'Wonder','W','Woman','9292929292','WW@gmail.com'),(2,'Ander','H','Herrera','9292929292','AH@gmail.com'),(3,'Tony','S','Stark','9292929292','TS@gmail.com'),(4,'Bruce','W','Wayne','9292929292','BW@gmail.com'),(5,'Captain','A','America','9292929292','CA@gmail.com'),(6,'Star','B','Boy','9292929292','SB@gmail.com'),(7,'Shark','B','Boy','9292929292','LsG@gmail.com'),(8,'Lava','G','Girl','9292929292','LG@gmail.com'),(9,'Yin','L','Lin','9292929292','YL@gmail.com');
```

```
/*!40000 ALTER TABLE `person` 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 `EmailValidationPerson`  
    BEFORE INSERT  
    ON `person`  
    FOR EACH ROW  
BEGIN  
    IF NEW.`email` NOT LIKE '%_@%_.__%'  
    THEN  
        SIGNAL SQLSTATE VALUE '45000'  
        SET MESSAGE_TEXT = 'email column is not valid';  
    END IF;  
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 */ ;
```

--

-- Table structure for table `personaddress`

--

DROP TABLE IF EXISTS `personaddress`;

/*!40101 SET @saved_cs_client = @@character_set_client */;

/*!40101 SET character_set_client = utf8 */;

CREATE TABLE `personaddress` (

 `AddressID` int(11) NOT NULL,

 `PersonID` int(11) NOT NULL,

 `Date` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP,

 PRIMARY KEY (`AddressID`,`PersonID`,`Date`),

 KEY `Relationship38` (`PersonID`),

 CONSTRAINT `Relationship37` FOREIGN KEY (`AddressID`) REFERENCES `address` (`AddressID`) ON DELETE CASCADE ON UPDATE CASCADE,

 CONSTRAINT `Relationship38` FOREIGN KEY (`PersonID`) REFERENCES `person` (`PersonID`) ON DELETE CASCADE ON UPDATE CASCADE

) ENGINE=InnoDB DEFAULT CHARSET=utf8;


```
/*!40101 SET character_set_client = @saved_cs_client */;
```

```
--
```

```
-- Dumping data for table `personaddress`
```

```
--
```

```
LOCK TABLES `personaddress` WRITE;
```

```
/*!40000 ALTER TABLE `personaddress` DISABLE KEYS */;
```

```
INSERT INTO `personaddress` VALUES (1,1,'2017-04-22 02:18:13'),(2,2,'2017-04-22 02:18:13');
```

```
/*!40000 ALTER TABLE `personaddress` ENABLE KEYS */;
```

```
UNLOCK TABLES;
```

```
--
```

```
-- Temporary view structure for view `receptionview`
```

```
--
```

```
DROP TABLE IF EXISTS `receptionview`;
```

```
/*!50001 DROP VIEW IF EXISTS `receptionview`*/;
```

```
SET @saved_cs_client  = @@character_set_client;
SET character_set_client = utf8;

/*!50001 CREATE VIEW `receptionview` AS SELECT
  1 AS `First Name`,
  1 AS `Last Name`,
  1 AS `bedno`,
  1 AS `max(beds.StartDate)`,
  1 AS `RoomID`,
  1 AS `Admitted at`*/;
SET character_set_client = @saved_cs_client;

--
-- Table structure for table `rooms`
--

DROP TABLE IF EXISTS `rooms`;

/*!40101 SET @saved_cs_client  = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
```

```
CREATE TABLE `rooms` (  
  `RoomID` int(11) NOT NULL AUTO_INCREMENT,  
  `Name` char(20) DEFAULT NULL,  
  `Description` char(100) NOT NULL,  
  `Quantity` int(11) NOT NULL,  
  PRIMARY KEY (`RoomID`),  
  UNIQUE KEY `RoomID` (`RoomID`)  
) ENGINE=InnoDB AUTO_INCREMENT=4 DEFAULT CHARSET=utf8;  
/*!40101 SET character_set_client = @saved_cs_client */;  
  
--  
-- Dumping data for table `rooms`  
--  
  
LOCK TABLES `rooms` WRITE;  
/*!40000 ALTER TABLE `rooms` DISABLE KEYS */;  
INSERT INTO `rooms` VALUES (1,'OR','or',2),(2,'OT','ot',3),(3,'ICU','icu',4);  
/*!40000 ALTER TABLE `rooms` 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 DiscontinuedRooms AFTER DELETE ON
rooms

FOR EACH ROW

BEGIN

INSERT INTO OldPlans values (old.RoomID,old.name,old.quantity,now());

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 */;

--
-- Table structure for table `specialities`
--

DROP TABLE IF EXISTS `specialities`;
/*!40101 SET @saved_cs_client = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `specialities` (
  `SpecialityID` int(11) NOT NULL,
  `Name` char(20) NOT NULL,
  `Description` char(20) NOT NULL,
  PRIMARY KEY (`SpecialityID`),
  UNIQUE KEY `SpecialityID` (`SpecialityID`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
/*!40101 SET character_set_client = @saved_cs_client */;
```

--

-- Dumping data for table `specialities`

--

LOCK TABLES `specialities` WRITE;

/*!40000 ALTER TABLE `specialities` DISABLE KEYS */;

INSERT INTO `specialities` VALUES (1,'Ortho','Bones'),(2,'Oncology','Eyes'),(3,'Breathing','Lungs');

/*!40000 ALTER TABLE `specialities` ENABLE KEYS */;

UNLOCK TABLES;

--

-- 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` (  
  `StaffID` varchar(20) NOT NULL,  
  `HighestQualification` char(20) NOT NULL,  
  `DateJoined` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP,  
  `PersonID` int(11) NOT NULL,  
  PRIMARY KEY (`StaffID`),  
  KEY `IX_Relationship43` (`PersonID`),  
  CONSTRAINT `Relationship43` FOREIGN KEY (`PersonID`) REFERENCES `person` (`PersonID`)  
) 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 ('S01','Bachelors','2017-04-22 02:08:03',7),('S02','Masters','2017-04-22 02:08:03',8);
```

```
/*!40000 ALTER TABLE `staff` ENABLE KEYS */;
```

```
UNLOCK TABLES;
```

```
--
```

```
-- Table structure for table `suppliedby`
```

```
--
```

```
DROP TABLE IF EXISTS `suppliedby`;
```

```
/*!40101 SET @saved_cs_client = @@character_set_client */;
```

```
/*!40101 SET character_set_client = utf8 */;
```

```
CREATE TABLE `suppliedby` (
```

```
  `SupplierID` varchar(20) NOT NULL,
```

```
  `DrugID` int(11) NOT NULL,
```

```
  `LastOrder` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP,
```

```
  `Quantity` int(11) NOT NULL,
```

```
  PRIMARY KEY (`SupplierID`, `DrugID`, `LastOrder`),
```

```
  UNIQUE KEY `LastOrder` (`LastOrder`),
```

```
  KEY `Relationship28` (`DrugID`),
```



```
CONSTRAINT `Relationship27` FOREIGN KEY (`SupplierID`) REFERENCES `suppliers` (`SupplierID`),
CONSTRAINT `Relationship28` FOREIGN KEY (`DrugID`) REFERENCES `drugs` (`DrugID`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `suppliedby`
--

LOCK TABLES `suppliedby` WRITE;
/*!40000 ALTER TABLE `suppliedby` DISABLE KEYS */;
INSERT INTO `suppliedby` VALUES ('1',1,'2017-04-22 02:19:43',55),('2',2,'2017-04-22 02:19:18',33);
/*!40000 ALTER TABLE `suppliedby` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `suppliers`
--
```

```
DROP TABLE IF EXISTS `suppliers`;

/*!40101 SET @saved_cs_client = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;

CREATE TABLE `suppliers` (
  `SupplierID` varchar(20) NOT NULL,
  `Name` char(20) NOT NULL,
  `Phone` char(20) NOT NULL,
  `Email` char(20) NOT NULL,
  PRIMARY KEY (`SupplierID`),
  UNIQUE KEY `SupplierID` (`SupplierID`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8;

/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `suppliers`
--
```

```

LOCK TABLES `suppliers` WRITE;

/*!40000 ALTER TABLE `suppliers` DISABLE KEYS */;

INSERT INTO `suppliers` VALUES
('1','Medico','998947447','Med@gmail.com'),('2','Medipast','232443534','M@gmail.com');

/*!40000 ALTER TABLE `suppliers` 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 `EmailValidationSupplier`
    BEFORE INSERT
    ON suppliers
    FOR EACH ROW

```

```
BEGIN

    IF NEW.`email` NOT LIKE '%_@%_.__%'

    THEN

        SIGNAL SQLSTATE VALUE '45000'

        SET MESSAGE_TEXT = 'email column is not valid';

    END IF;

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 */;

--

-- Table structure for table `totaldrugs`

--

DROP TABLE IF EXISTS `totaldrugs`;
```

```
/*!40101 SET @saved_cs_client = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `totaldrugs` (
  `TotalQuantity` int(11) NOT NULL,
  `DrugID` int(11) NOT NULL,
  `Date` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP,
  PRIMARY KEY (`Date`,`DrugID`),
  UNIQUE KEY `DateReleased` (`Date`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `totaldrugs`
--

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

```
UNLOCK TABLES;
```

```
--
```

```
-- Table structure for table `usedrooms`
```

```
--
```

```
DROP TABLE IF EXISTS `usedrooms`;
```

```
/*!40101 SET @saved_cs_client = @@character_set_client */;
```

```
/*!40101 SET character_set_client = utf8 */;
```

```
CREATE TABLE `usedrooms` (
```

```
  `PatientID` varchar(20) NOT NULL,
```

```
  `RoomID` int(11) NOT NULL,
```

```
  `StartDate` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP,
```

```
  `EndDate` timestamp NOT NULL DEFAULT '0000-00-00 00:00:00',
```

```
  PRIMARY KEY (`PatientID`, `RoomID`, `StartDate`),
```

```
  UNIQUE KEY `StartDate` (`StartDate`),
```

```
  KEY `Relationship45` (`RoomID`),
```

```
  CONSTRAINT `Relationship44` FOREIGN KEY (`PatientID`) REFERENCES `patients` (`PatientID`),
```

```
CONSTRAINT `Relationship45` FOREIGN KEY (`RoomID`) REFERENCES `rooms` (`RoomID`)
```

```
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
```

```
/*!40101 SET character_set_client = @saved_cs_client */;
```

```
--
```

```
-- Dumping data for table `usedrooms`
```

```
--
```

```
LOCK TABLES `usedrooms` WRITE;
```

```
/*!40000 ALTER TABLE `usedrooms` DISABLE KEYS */;
```

```
INSERT INTO `usedrooms` VALUES ('PA01',1,'2017-04-22 02:20:30','0000-00-00 00:00:00'),('PA02',2,'2017-04-22  
02:20:34','0000-00-00 00:00:00');
```

```
/*!40000 ALTER TABLE `usedrooms` ENABLE KEYS */;
```

```
UNLOCK TABLES;
```

```
--
```

```
-- Table structure for table `wardassignment`
```

```
--
```

```
DROP TABLE IF EXISTS `wardassignment`;

/*!40101 SET @saved_cs_client = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;

CREATE TABLE `wardassignment` (
  `WardID` varchar(20) NOT NULL,
  `StaffID` varchar(20) NOT NULL,
  `Hours` smallint(6) NOT NULL DEFAULT '0',
  `Date` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP,
  PRIMARY KEY (`WardID`,`StaffID`,`Date`),
  KEY `Relationship13` (`StaffID`),
  CONSTRAINT `Relationship12` FOREIGN KEY (`WardID`) REFERENCES `wards` (`WardID`) ON DELETE CASCADE,
  CONSTRAINT `Relationship13` FOREIGN KEY (`StaffID`) REFERENCES `staff` (`StaffID`) ON DELETE CASCADE
) ENGINE=InnoDB DEFAULT CHARSET=utf8;

/*!40101 SET character_set_client = @saved_cs_client */;

--

-- Dumping data for table `wardassignment`

--
```



```
LOCK TABLES `wardassignment` WRITE;

/*!40000 ALTER TABLE `wardassignment` DISABLE KEYS */;

INSERT INTO `wardassignment` VALUES ('1','S01',3,'2017-04-22 02:21:24'),('2','S02',4,'2017-04-22 02:21:24');

/*!40000 ALTER TABLE `wardassignment` ENABLE KEYS */;

UNLOCK TABLES;


--

-- Table structure for table `wards`
--


DROP TABLE IF EXISTS `wards`;

/*!40101 SET @saved_cs_client = @@character_set_client */;

/*!40101 SET character_set_client = utf8 */;

CREATE TABLE `wards` (
  `WardID` varchar(20) NOT NULL,
  `Name` char(20) NOT NULL,
  `Location` char(20) NOT NULL,
```

```
`NoOfBeds` int(11) NOT NULL,  
PRIMARY KEY (`WardID`)  
) ENGINE=InnoDB DEFAULT CHARSET=utf8;  
/*!40101 SET character_set_client = @saved_cs_client */;  
  
--  
-- Dumping data for table `wards`  
--  
  
LOCK TABLES `wards` WRITE;  
/*!40000 ALTER TABLE `wards` DISABLE KEYS */;  
INSERT INTO `wards` VALUES ('1','A','1A',55),('2','B','2B',44),('3','C','3C',33);  
/*!40000 ALTER TABLE `wards` ENABLE KEYS */;  
UNLOCK TABLES;  
  
--  
-- Dumping routines for database 'hospitaldata'  
--
```

```

/*!50003 DROP FUNCTION IF EXISTS `NoOfDrugss` */;

/*!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` FUNCTION `NoOfDrugss`(pID varchar(200)) RETURNS int(11)
    DETERMINISTIC
BEGIN
    declare count int;

    SET count = (SELECT count(DISTINCT(DrugID)) as `DrugsUsed`
    FROM hospitaldatabase.drugsissued
    JOIN patientrecords ON patientrecords.recordid=drugsissued.recordid
    where patientid=pID AND DATEDIFF(date(now()),date(date))<=90 );

```

```

return count;

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 */;

/*!50003 DROP FUNCTION IF EXISTS `NoOfSuppliers` */;

/*!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` FUNCTION `NoOfSuppliers`(did int) RETURNS int(11)

```

DETERMINISTIC

BEGIN

declare count int;

SET count = (SELECT count(*) FROM hospitaldatabase.suppliedby

where drugid = dID);

return count;

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 */;

/*!50003 DROP PROCEDURE IF EXISTS `ChemistJob` */;

/*!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 `ChemistJob`(IN username VARCHAR(215), IN pass VARCHAR(215))
BEGIN
    SET @query1 = CONCAT('CREATE USER "', username, '"@"localhost" IDENTIFIED BY "', pass, '"');
    PREPARE stmt FROM @query1;
    EXECUTE stmt;
    DEALLOCATE PREPARE stmt;

    SET @query1 = CONCAT('GRANT select,insert,update,delete ON hospitaldatabase.suppliers TO "',username,'"@"localhost"
    IDENTIFIED BY "',pass,'"
        with MAX_QUERIES_PER_HOUR 120
        MAX_CONNECTIONS_PER_HOUR 60
        MAX_UPDATES_PER_HOUR 60
        MAX_USER_CONNECTIONS 10'
    );
    PREPARE stmt FROM @query1;

```

```
EXECUTE stmt;
```

```
DEALLOCATE PREPARE stmt;
```

```
SET @query1 = CONCAT('GRANT select,insert,update,delete ON hospitaldatabase.drugs TO "', username, '"@"localhost"  
IDENTIFIED BY "', pass, '");
```

```
PREPARE stmt FROM @query1;
```

```
EXECUTE stmt;
```

```
DEALLOCATE PREPARE stmt;
```

```
SET @query1 = CONCAT('GRANT select,insert,update,delete ON hospitaldatabase.suppliedby TO "',  
username, '"@"localhost" IDENTIFIED BY "', pass, '');
```

```
PREPARE stmt FROM @query1;
```

```
EXECUTE stmt;
```

```
DEALLOCATE PREPARE stmt;
```

```
SET @query1 = CONCAT('GRANT select ON hospitaldatabase.patientrecords TO "', username, '"@"localhost" IDENTIFIED BY  
"', pass, '"');
```

```
PREPARE stmt FROM @query1;
```

```
EXECUTE stmt;
```

```
DEALLOCATE PREPARE stmt;
```

```
SET @query1 = CONCAT('GRANT select ON hospitaldatabase.drugsissued TO "', username, '"@"localhost" IDENTIFIED BY "',  
pass, '"');
```

```
PREPARE stmt FROM @query1;
```

```
EXECUTE stmt;
```

```
DEALLOCATE PREPARE stmt;
```

```
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 */;
/*!50003 DROP PROCEDURE IF EXISTS `DoctorJob` */;
/*!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 `DoctorJob`(IN username VARCHAR(215), IN pass VARCHAR(215))
BEGIN
    SET @query1 = CONCAT('CREATE USER "', username, '"@"localhost" IDENTIFIED BY "', pass, '"');
    PREPARE stmt FROM @query1;
    EXECUTE stmt;
    DEALLOCATE PREPARE stmt;

```

```
SET @query1 = CONCAT('GRANT select,insert,update,delete ON hospitaldatabase.patientrecords TO  
"',username,'"@"localhost" IDENTIFIED BY "',pass,'"');
```

```
    with MAX_QUERIES_PER_HOUR 120
```

```
    MAX_CONNECTIONS_PER_HOUR 60
```

```
    MAX_UPDATES_PER_HOUR 60
```

```
    MAX_USER_CONNECTIONS 10'
```

```
);
```

```
PREPARE stmt FROM @query1;
```

```
EXECUTE stmt;
```

```
DEALLOCATE PREPARE stmt;
```

```
SET @query1 = CONCAT('GRANT select,insert,update,delete ON hospitaldatabase.drugsissued TO "',  
username,'"@"localhost" IDENTIFIED BY "', pass,'"');
```

```
PREPARE stmt FROM @query1;
```

```
EXECUTE stmt;
```

```
DEALLOCATE PREPARE stmt;
```

```
SET @query1 = CONCAT('GRANT select,insert,update,delete ON hospitaldatabase.specialities TO "',  
username,'"@"localhost" IDENTIFIED BY "', pass,'"');
```

```
PREPARE stmt FROM @query1;
```

```
EXECUTE stmt;
```

```
DEALLOCATE PREPARE stmt;
```

```
SET @query1 = CONCAT('GRANT select,insert,update,delete ON hospitaldatabase.doctorspecialities TO "',  
username,'"@"localhost" IDENTIFIED BY "', pass,'"');
```

```
PREPARE stmt FROM @query1;
```

```
EXECUTE stmt;
```

```
DEALLOCATE PREPARE stmt;
```

```
SET @query1 = CONCAT('GRANT select,insert,update,delete ON hospitaldatabase.receptionview TO "',  
username,'"@"localhost" IDENTIFIED BY "', pass,'"');
```

```
PREPARE stmt FROM @query1;
```

```
EXECUTE stmt;
```

```
DEALLOCATE PREPARE stmt;
```

```
SET @query1 = CONCAT('GRANT select,insert,update,delete ON hospitaldatabase.interns TO "', username,'"@"localhost"  
IDENTIFIED BY "', pass,'"');
```

```
PREPARE stmt FROM @query1;
```

```
EXECUTE stmt;
```

```
DEALLOCATE PREPARE stmt;
```

```
SET @query1 = CONCAT('GRANT select,insert,update,delete ON hospitaldatabase.beds TO "', username,'"@"localhost"  
IDENTIFIED BY "', pass,'"');
```

```
PREPARE stmt FROM @query1;
```

```
EXECUTE stmt;
```

```
DEALLOCATE PREPARE stmt;
```

```
SET @query1 = CONCAT('GRANT select,insert,update,delete ON hospitaldatabase.facilitiesused TO "',  
username,'"@"localhost" IDENTIFIED BY "', pass,'"');
```

```
PREPARE stmt FROM @query1;
```

```
EXECUTE stmt;
```

```
DEALLOCATE PREPARE stmt;
```

```
SET @query1 = CONCAT('GRANT select,insert,update,delete ON hospitaldatabase.usedrooms TO "',  
username,'"@"localhost" IDENTIFIED BY "', pass,'"');
```

```
PREPARE stmt FROM @query1;
```

```
EXECUTE stmt;
```

```
DEALLOCATE PREPARE stmt;
```

```
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 */;
```

```
/*!50003 DROP PROCEDURE IF EXISTS `DrugsList` */;
```

```
/*!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 `DrugsList`(IN PID varchar(200))
BEGIN
SELECT drugs.name from drugs
where drugid IN (SELECT DISTINCT(drugID) FROM drugsissued
WHERE recordid IN (SELECT recordid from patientrecords
where PatientID=PID AND DATEDIFF(date(now()),date(date))<=90 ));
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 */ ;
```

```

/*!50003 DROP PROCEDURE IF EXISTS `ReceptionJob` */;

/*!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 `ReceptionJob`(IN username VARCHAR(215), IN pass VARCHAR(215))
BEGIN
    SET @query1 = CONCAT('CREATE USER "', username, '"@"localhost" IDENTIFIED BY "', pass, '"');
    PREPARE stmt FROM @query1;
    EXECUTE stmt;
    DEALLOCATE PREPARE stmt;

    SET @query1 = CONCAT('GRANT select,insert,update ON hospitaldatabase.receptionview TO "', username, '"@"localhost"
    IDENTIFIED BY "', pass, '"');

```

```
with MAX_QUERIES_PER_HOUR 120  
MAX_CONNECTIONS_PER_HOUR 60  
MAX_UPDATES_PER_HOUR 60  
MAX_USER_CONNECTIONS 10'  
);
```

```
PREPARE stmt FROM @query1;
```

```
EXECUTE stmt;
```

```
DEALLOCATE PREPARE stmt;
```

```
SET @query1 = CONCAT('GRANT select,insert,update ON hospitaldatabase.person TO "', username,'"@"localhost"  
IDENTIFIED BY "', pass,'"');
```

```
PREPARE stmt FROM @query1;
```

```
EXECUTE stmt;
```

```
DEALLOCATE PREPARE stmt;
```

```
SET @query1 = CONCAT('GRANT select,insert,update ON hospitaldatabase.address TO "', username,'"@"localhost"  
IDENTIFIED BY "', pass,'"');
```



```
PREPARE stmt FROM @query1;
```

```
EXECUTE stmt;
```

```
DEALLOCATE PREPARE stmt;
```

```
SET @query1 = CONCAT('GRANT select,insert,update ON hospitaldatabase.personaddress TO "', username,'"@"localhost"  
IDENTIFIED BY "', pass,'"');
```

```
PREPARE stmt FROM @query1;
```

```
EXECUTE stmt;
```

```
DEALLOCATE PREPARE stmt;
```

```
SET @query1 = CONCAT('GRANT select,insert,update ON hospitaldatabase.beds TO "', username,'"@"localhost"  
IDENTIFIED BY "', pass,'"');
```

```
PREPARE stmt FROM @query1;
```

```
EXECUTE stmt;
```

```
DEALLOCATE PREPARE stmt;
```

```
SET @query1 = CONCAT('GRANT select,insert,update ON hospitaldatabase.patients TO "', username, '"@"localhost"  
IDENTIFIED BY "', pass, '"');
```

```
PREPARE stmt FROM @query1;
```

```
EXECUTE stmt;
```

```
DEALLOCATE PREPARE stmt;
```

```
SET @query1 = CONCAT('GRANT select,insert,update ON hospitaldatabase.insuaranceplans TO "',  
username, '"@"localhost" IDENTIFIED BY "', pass, '"');
```

```
PREPARE stmt FROM @query1;
```

```
EXECUTE stmt;
```

```
DEALLOCATE PREPARE stmt;
```

```
SET @query1 = CONCAT('GRANT select,insert,update ON hospitaldatabase.usedrooms TO "', username, '"@"localhost"  
IDENTIFIED BY "', pass, '"');
```

```
PREPARE stmt FROM @query1;
```

```
EXECUTE stmt;
```

```
DEALLOCATE PREPARE stmt;
```

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 */;

/*!50003 DROP PROCEDURE IF EXISTS `StaffJob` */;

/*!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 `StaffJob`(IN username VARCHAR(215), IN pass VARCHAR(215))
```

```
BEGIN
```

```
    SET @query1 = CONCAT('CREATE USER "', username, '"@"localhost" IDENTIFIED BY "', pass, '"');
```

```
    PREPARE stmt FROM @query1;
```

```
    EXECUTE stmt;
```

```
    DEALLOCATE PREPARE stmt;
```

```
SET @query1 = CONCAT('GRANT select ON hospitaldatabase.currentstaffassign TO "', username, '"@"localhost" IDENTIFIED  
BY "', pass, '"
```

```
    with MAX_QUERIES_PER_HOUR 120
```

```
    MAX_CONNECTIONS_PER_HOUR 60
```

```
    MAX_UPDATES_PER_HOUR 60
```

```
    MAX_USER_CONNECTIONS 10'
```

```
);
```

```
PREPARE stmt FROM @query1;
```

```
EXECUTE stmt;
```

```
DEALLOCATE PREPARE stmt;
```

```
SET @query1 = CONCAT('GRANT select,insert,update,delete ON hospitaldatabase.staff TO "', username, '"@"localhost"  
IDENTIFIED BY "', pass, '');
```

```
PREPARE stmt FROM @query1;
```

```
EXECUTE stmt;
```

```
DEALLOCATE PREPARE stmt;
```

```
SET @query1 = CONCAT('GRANT select ON hospitaldatabase.wardassignment TO "', username, '"@"localhost" IDENTIFIED  
BY "', pass, '');
```

```
PREPARE stmt FROM @query1;
```

```
EXECUTE stmt;
```

```
DEALLOCATE PREPARE stmt;
```

```
SET @query1 = CONCAT('GRANT select ON hospitaldatabase.drugsissued TO "', username, '"@"localhost" IDENTIFIED BY "',  
pass, '');
```

```
PREPARE stmt FROM @query1;
```

```
EXECUTE stmt;
```

```
DEALLOCATE PREPARE stmt;
```

```
SET @query1 = CONCAT('GRANT select ON hospitaldatabase.patientrecords TO "', username, '"@"localhost" IDENTIFIED BY  
"', pass, '');
```

```
PREPARE stmt FROM @query1;
```

```
EXECUTE stmt;
```

```
DEALLOCATE PREPARE stmt;
```

```
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 `currentstaffassign`
```

```
--
```

```
/*!50001 DROP VIEW IF EXISTS `currentstaffassign`*/;
```

```
/*!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 `currentstaffassign` AS (select `staff`.`StaffID` AS `StaffID`,`jobs`.`Name` AS `Job Name`,max(`ja`.`Date`) AS
`LastJobFrom` from ((`jobassignment` `ja` join `staff` on((`ja`.`StaffID` = `staff`.`StaffID`))) join `jobs` on((`ja`.`JobID` =
`jobs`.`JobID`))) group by `staff`.`StaffID`) */;
/*!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 `patientsview`
--

/*!50001 DROP VIEW IF EXISTS `patientsview` */;
```

```

/*!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 `patientsview` AS (select `person`.`FirstName` AS `First Name`,`person`.`LastName` AS `Last
Name`,`patients`.`DateAdmittedFrom` AS `DateAdmittedFrom`,`insuaranceplans`.`Name` AS
`InsuaranceName`,`insuaranceplans`.`Coverage` AS `coverage` from ((`patients` join `person` on((`person`.`PersonID` =
`patients`.`PersonID`))) join `insuaranceplans` on((`insuaranceplans`.`InsuaranceId` = `patients`.`InsuaranceId`))) group by
`patients`.`PatientID`) */;
/*!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 `receptionview`
--

```



```

/*!50001 DROP VIEW IF EXISTS `receptionview`*/;

/*!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 `receptionview` AS (select `person`.`FirstName` AS `First Name`,`person`.`LastName` AS `Last
Name`,`beds`.`BedNo` AS `bedno`,max(`beds`.`StartDate`) AS `max(beds.StartDate)`,`usedrooms`.`RoomID` AS
`RoomID`,max(`usedrooms`.`StartDate`) AS `Admitted at` from (((`patients` join `person` on((`person`.`PersonID` =
`patients`.`PersonID`))) left join `usedrooms` on((`usedrooms`.`PatientID` = `patients`.`PatientID`))) left join `beds`
on((`patients`.`PatientID` = `beds`.`PatientID`))) group by `patients`.`PatientID`) */;
/*!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 22:24:30
```

