

**Viraj Jani (001449988)**

## **Database to collect data of Homeless people**

A survey was conducted in 2014 which showed that Boston had highest number of Homeless People

Compared to other states. Even though these people come under Right to shelter act and can stay in shelters provided by the state, but the number of homeless people is more compared to the number of shelters available. Hence most of the homeless people live on the street. Once survey showed that in Boston percentage of crime committed by homeless people is more than other civilians as the cost of living in Boston is high. As they stay on streets the chances of them falling sick is very high.

They are also part of our community hence it is important to store their information so that necessary assistance can be provided to them if they are sick also safety of other citizens can be guaranteed. Access to this database would be given to Police and local health authority.

Major objective of the database is as follows:

To provide information of homeless People to police so that Police can keep a check on them.

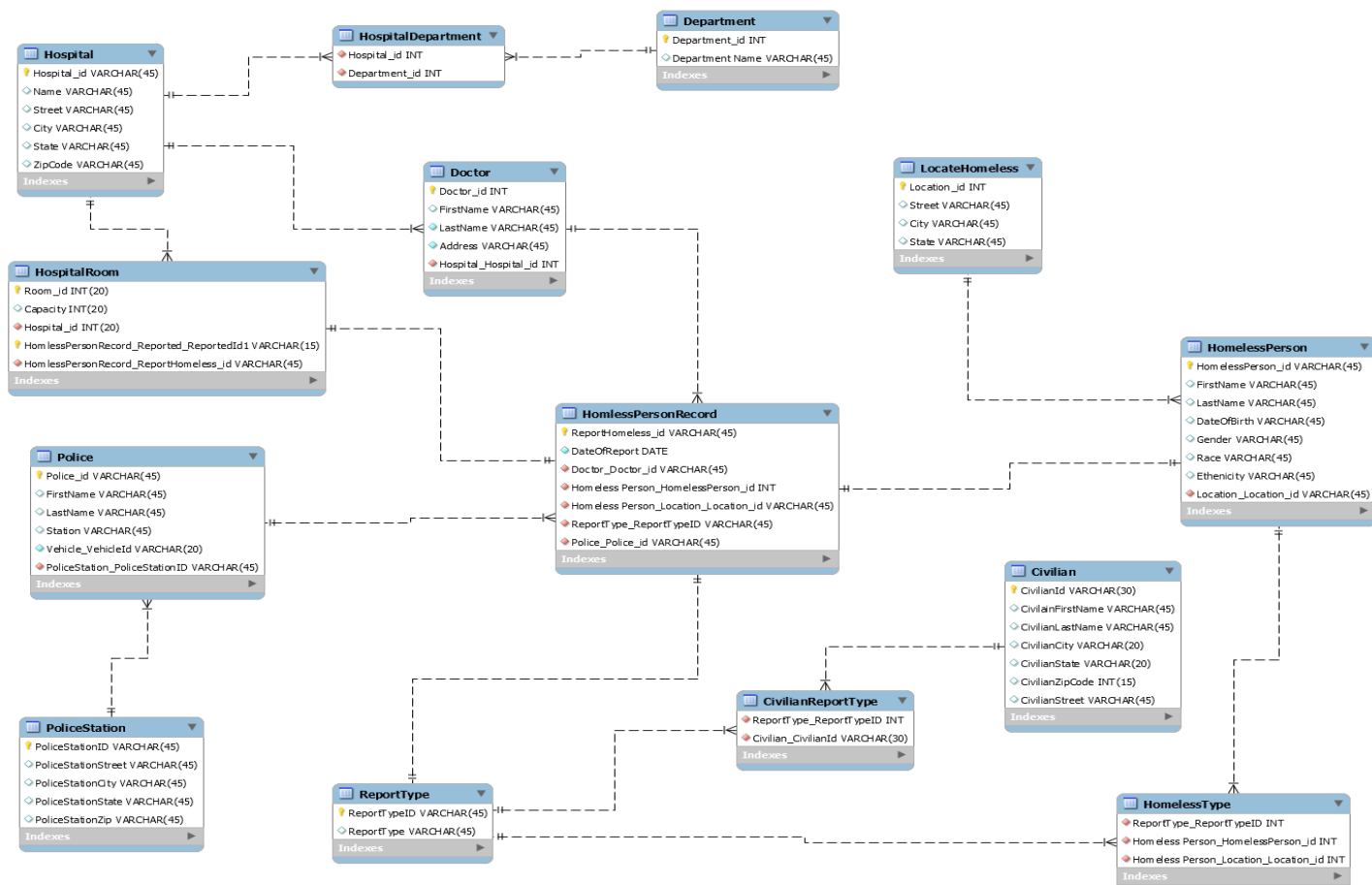
To provide necessary assistance to them in case if the homeless people are sick.

The information stored includes details of the homeless people such as their location, police officer to whom they were reported, Doctor assigned if they are having any medical condition. This information will help to keep track of their activities such and provide necessary assistance such as medical support by tracking their location, finding analysis like area with maximum number of homeless people who are sick or with highest crime percentage committed by homeless people.

The project has following functionalities such as

- HomelessPerson table (Which has demographic details of homeless person)
- HomelessPersonRecord table (Which stores all details of the homeless person)
- Doctor table (Has information of Doctor assigned to homeless person if he has a medical condition)
- Police table (Has the information of the information of Police officer to whom the homeless person was reported)

## ER Diagram



The project has following functionalities such as

DetailsOfhomelessPeople procedure is created so that at any given point of time this procedure can be called by the police officer to get all the details of the homeless people. This is very useful as there no need to call multiple tables and this information can be used to keep track of homeless people.

```
440
441 • Call DetailsOfHomelesspeople();
442
443 -- Procedure HOME LESS People having medical condition
444
445
446 • USE 'homelesspeopleinformation';
447 • DROP procedure IF EXISTS 'MedicalDetails';
```

Result Grid Filter Rows:  Export Wrap Cell Contents:

Police_id	FirstName	LastName	ReportHomeless_id	DateOfReport	HomelessPersonFirstName	HomelessPersonLastName	Gender	Race	Ethnicity	StreetLocated	CityLocation	ZipCode	State
PID0001	Steve	Jobs	HR00004	2017-11-12	Rodger	Adams	Male	Native	American	Roxbury	Boston	02140	MA
PID0002	Roger	Fed	HR00003	2018-09-11	Crash	Thomson	Male	African	American	Burbank	Boston	02144	MA
PID0003	Chris	Ronaldo	HR00006	2017-05-18	Manali	Sharma	Female	Native	Asian	Botolph	Boston	02421	MA
PID0001	Steve	Jobs	HR00005	2016-01-16	Will	Smith	Male	African	American	Roxbury	Boston	02140	MA
PID0001	Steve	Jobs	HR00011	2016-09-30	Anshul	Singh	Male	Native	Asian	Roxbury	Boston	02140	MA
PID0001	Steve	Jobs	HR00001	2017-01-21	Rose	Williams	Female	Native	American	Burbank	Boston	02144	MA
PID0002	Roger	Fed	HR00002	2018-02-11	Katlyne	Stacy	Female	African	American	Roxbury	Boston	02140	MA
PID0003	Chris	Ronaldo	HR00007	2016-04-11	Kate	Willson	Female	African	American	Botolph	Boston	02421	MA
PID0002	Roger	Fed	HR00008	2017-09-11	Sam	Mavreic	Male	Native	American	Roxbury	Boston	02140	MA
PID0002	Roger	Fed	HR00009	2018-10-11	Steve	Nantis	Male	African	American	Boylston	Boston	02115	MA
PID0001	Steve	Jobs	HR00010	2017-09-21	Dhara	Joshi	Female	Native	Asian	Tremont	Boston	02139	MA

Procedure MedicalDetails will be used by the Doctor or the medical authority to keep track of Homeless people who are being provided medical services and police and use this procedure to keep a check on them as they will be provided with the hospital in which the homeless person is admitted.

```
491
492 • CALL MedicalDetails();
493
494 -- View for checking homeless persons report
495
```

Result Grid Filter Rows:  Export Wrap Cell Contents:

RecordNumber	DateOfReport	HomelessPersonFirstName	HomelessPersonLastName	Gender	Race	Ethnicity	StreetLocated	CityLocation	ZipCode	State	DoctorFirstName	DoctorLastName	HospitalName	ZipCode	Police_id	PoliceFirstName
HR00001	2017-01-21	Rose	Williams	Female	Native	American	Burbank	Boston	02144	MA	Jon	Snow	AIMS	02140	PID0001	Steve
HR00005	2016-01-16	Will	Smith	Male	African	American	Roxbury	Boston	02140	MA	Jon	Snow	AIMS	02140	PID0001	Steve
HR00011	2016-09-30	Anshul	Singh	Male	Native	Asian	Roxbury	Boston	02140	MA	Jon	Snow	AIMS	02140	PID0001	Steve
HR00003	2018-09-11	Crash	Thomson	Male	African	American	Burbank	Boston	02144	MA	Peter	Plan	WeCare	02115	PID0002	Roger
HR00009	2018-10-11	Steve	Nantis	Male	African	American	Boylston	Boston	02115	MA	Arya	Stark	AIMS	02140	PID0002	Roger
HR00004	2017-11-12	Rodger	Adams	Male	Native	American	Roxbury	Boston	02140	MA	Suraj	Joshi	Reliance	02140	PID0001	Steve
HR00007	2016-04-11	Kate	Willson	Female	African	American	Botolph	Boston	02421	MA	Rakesh	Sharma	Hearts	02139	PID0003	Chris

A view PoliceReportType is created so that all police officers can keep a track of the homeless people. The type of report is given by this and also the information of the police officer to whom the person was reported. It also give the RecordNumber which can be used to find the record of the report from the file in warehouse.

```

516
517 • Select * from PoliceReportType;
518
519
520 -----
521 -- - Anylisis Max health supported need in an area using ZIP Code
522 -----
522 • SELECT
523     L.ZipCode,
524     MAX(R.ReportType)
525 FROM

```

RecordNumber	OfficerID	PoliceOfficerFirstName	PoliceOfficerLastName	HomlessPersonFirstName	HomlessPersonLastName	ReportType
HR00004	PID0001	Steve	Jobs	Rodger	Adams	Medical
HR00003	PID0002	Roger	Fed	Crash	Thomson	Criminal
HR00006	PID0003	Chris	Ronaldo	Manali	Sharma	Criminal
HR00005	PID0001	Steve	Jobs	Will	Smith	Medical
HR00001	PID0001	Steve	Jobs	Rose	Williams	Criminal
HR00002	PID0002	Roger	Fed	Katlyne	Stacy	Criminal
HR00007	PID0003	Chris	Ronaldo	Kate	Willison	Medical
HR00008	PID0002	Roger	Fed	Sam	Mavreic	Criminal
HR00009	PID0002	Roger	Fed	Steve	Nantis	Medical
HR00010	PID0001	Steve	Jobs	Dhara	Joshi	Medical

Analysis:

The below query helps in analysis of data. It get us the Zip code of the area where there are maximum number of homeless people with medical condition. This will help the local medical authorities that there is something wrong in that area and can conduct a medical drive in the area to ensure that both the civilians and the homeless people remain safe.

```

522 SELECT
523     L.ZipCode,
524     MAX(R.ReportType)
525 FROM
526     locatehomeless AS L
527     INNER JOIN homelessperson AS HP
528     ON(HP.Location_Location_id=L.Location_id)
529     INNER JOIN homelessstype AS X
530     ON(X.HomelessPerson_Location_id =HP.Location_Location_id)
531     INNER JOIN reporttype AS R
532     ON(X.ReportType_ReportTypeID=R.ReportTypeID)
533 WHERE R.ReportType='Medical'
534 GROUP BY R.ReportType ;
535

```

Result Grid

ZipCode	MAX(R.ReportType)
02140	Medical

Similarly, analysis can be made to find the area in which highest number of crimes are committed by homeless person. This will help the police department to increase the security in that area.

Trigger:

The following trigger is used to log the details of homeless person table. Whenever the table is updated a log of the same is added to a new log table and old data is stored in old log table.

```

550 delimiter //
551 CREATE TRIGGER trig_homlessperson
552 AFTER UPDATE ON homelessperson
553 FOR EACH ROW
554 BEGIN
555     INSERT INTO homelessperson_log (HomelessPerson_id,FirstName,LastName,DateOfBirth,Gender,Race,Ethnicity,Location_Location_id)
556     VALUE(NEW.HomelessPerson_id, NEW.FirstName,NEW.LastName,NEW.DateOfBirth, NEW.Gender,NEW.Race,NEW.Ethnicity,NEW.Location_Location_id);
557 END;
558 //
559
560 Select * from homelessperson_log;
561
562
563

```

Result Grid

HomelessPerson_id	id	FirstName	LastName	DateOfBirth	Gender	Race	Ethnicity	Location_Location_id
H000011	1	Dhara	Joshi	1980-11-03	Female	Native	Asian	1004
H000011	2	Dhara	Joshi	1980-11-03	Female	Native	Asian	1004

Given privileges to different users:

Have given different privileges to Database Admin and officer.

Database Admin can perform all the tasks where as officer can just read the information.

```
CREATE DATABASE IF NOT EXISTS `homelessPeopleInformation`;
USE homelessPeopleInformation;

-- privileges

-- DatabaseAdmin --
CREATE USER databaseadmin IDENTIFIED BY 'admin@1234';
REVOKE ALL PRIVILEGES, GRANT OPTION FROM DatabaseAdmin;
GRANT All ON homelessPeopleInformation.* TO DatabaseAdmin;

-- PoliceOfficer --

CREATE USER policeofficer identified by 'police2';
REVOKE ALL PRIVILEGES, GRANT OPTION FROM policeofficer;
GRANT SELECT ON homelessPeopleInformation.* TO policeofficer;
```

APENDEX:

Database Dump

-- MySQL dump 10.13 Distrib 8.0.13, for Win64 (x86\_64)

--

-- Host: 127.0.0.1 Database: homelesspeopleinformation

-- -----

-- Server version 8.0.12

/\*!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 \*/;

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 \*/;

```
--  
-- Temporary view structure for view `allpolicedetails`  
--
```

```
DROP TABLE IF EXISTS `allpolicedetails`;  
/*!50001 DROP VIEW IF EXISTS `allpolicedetails`*/;  
SET @saved_cs_client = @@character_set_client;  
SET character_set_client = utf8mb4;  
/*!50001 CREATE VIEW `allpolicedetails` AS SELECT  
  1 AS `Police_id`,  
  1 AS `FirstName`,  
  1 AS `LastName`,  
  1 AS `PoliceStationID`,  
  1 AS `PoliceStationStreet`,  
  1 AS `PoliceStationCity`,  
  1 AS `PoliceStationState`,  
  1 AS `ZipCode`*/;  
SET character_set_client = @saved_cs_client;
```

```
--  
-- Table structure for table `civilian`  
--
```



```

DROP TABLE IF EXISTS `civilian`;

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

SET character_set_client = utf8mb4 ;

CREATE TABLE `civilian` (
  `CivilianId` varchar(30) CHARACTER SET utf8 COLLATE utf8_general_ci NOT NULL,
  `CivilainFirstName` varchar(45) DEFAULT NULL,
  `CivilianLastName` varchar(45) DEFAULT NULL,
  `CivilianStreet` varchar(45) DEFAULT NULL,
  `CivilianCity` varchar(20) CHARACTER SET utf8 COLLATE utf8_general_ci DEFAULT
NULL,
  `CivilianState` varchar(20) DEFAULT NULL,
  `CivilianZipCode` int(15) DEFAULT NULL,
  `CivilianNumber` int(20) DEFAULT NULL,
  PRIMARY KEY (`CivilianId`),
  UNIQUE KEY `CivilianId_UNIQUE` (`CivilianId`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8;

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

--

-- Dumping data for table `civilian`

--

LOCK TABLES `civilian` WRITE;

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

```

```

INSERT INTO `civilian` VALUES
('Civilian1','Viraj','Jani','55','Boston','MA',2115,12345678),('Civilian10','Shardul','Thakur','80','Boston','MA',2114,61789895),('Civilian11','Sunil','Yadav','40','Boston','MA',2116,61782874),('Civilian12','Tom','Willams','80','Boston','MA',2114,61789896),('Civilian13','Harry','Potter','55','Boston','MA',2115,61789625),('Civilian14','Emma','Stones','58','Boston','MA',2115,61789456),('Civilian2','Raj','Shah','40','Boston','MA',2114,56978412),('Civilian3','Manali','Sharma','55','Boston','MA',2116,89563425),('Civilian4','Rushabh','Bhavsar','50','Boston','MA',2115,90908645),('Civilian5','Yusuf','Ozbek','25','Boston','MA',2115,89456367),('Civilian6','Riya','Rajput','40','Boston','MA',2116,56978456),('Civilian7','Chetan','B','55','Boston','MA',2115,96547862),('Civilian8','Nupur','Deshpande','40','Boston','MA',2116,34569756),('Civilian9','Mayur','Dave','55','Boston','MA',2115,61789674);

```

```

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

```

```

UNLOCK TABLES;

```

```

--

```

```

-- Table structure for table `department`

```

```

--

```

```

DROP TABLE IF EXISTS `department`;

```

```

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

```

```

SET character_set_client = utf8mb4 ;

```

```

CREATE TABLE `department` (

```

```

    `Department_id` varchar(45) NOT NULL,

```

```

    `Department Name` varchar(45) DEFAULT NULL,

```

```

    PRIMARY KEY (`Department_id`)

```

```

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;

```

```

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

```

--

-- Dumping data for table `department`

--

LOCK TABLES `department` WRITE;

/\*!40000 ALTER TABLE `department` DISABLE KEYS \*/;

INSERT INTO `department` VALUES ('BOS101','State Health'),('BOS102','Local Health');

/\*!40000 ALTER TABLE `department` ENABLE KEYS \*/;

UNLOCK TABLES;

--

-- Table structure for table `doctor`

--

DROP TABLE IF EXISTS `doctor`;

/\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;

SET character\_set\_client = utf8mb4 ;

CREATE TABLE `doctor` (

`Doctor\_id` varchar(45) NOT NULL,

`FirstName` varchar(45) DEFAULT NULL,

`LastName` varchar(45) NOT NULL,

`Address` varchar(45) NOT NULL,

`Hospital\_Hospital\_id` varchar(45) NOT NULL,

```
PRIMARY KEY (`Doctor_id`),  
KEY `fk_Doctor_Hospital1` (`Hospital_Hospital_id`),  
CONSTRAINT `fk_Doctor_Hospital1` FOREIGN KEY (`Hospital_Hospital_id`)  
REFERENCES `hospital` (`hospital_id`)  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;  
/!*!40101 SET character_set_client = @saved_cs_client */;
```

```
--
```

```
-- Dumping data for table `doctor`
```

```
--
```

```
LOCK TABLES `doctor` WRITE;
```

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

```
INSERT INTO `doctor` VALUES  
('DOC101','Jon','Snow','Boston','HOS1001'),('DOC102','Peter','Pan','NewYork','HOS  
1002'),('DOC103','Arya','Stark','NewJersy','HOS1001'),('DOC104','Suraj','Joshi','Bos  
ton','HOS1003'),('DOC105','Arron','Ramsey','Boston','HOS1004'),('DOC106','Rakes  
h','Sharma','Boston','HOS1004');
```

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

```
UNLOCK TABLES;
```

```
--
```

```
-- Table structure for table `homelessperson`
```

```
--
```

```
DROP TABLE IF EXISTS `homelessperson`;
```

```

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

SET character_set_client = utf8mb4 ;

CREATE TABLE `homelessperson` (
  `HomelessPerson_id` varchar(45) NOT NULL,
  `FirstName` varchar(45) DEFAULT NULL,
  `LastName` varchar(45) DEFAULT NULL,
  `DateOfBirth` date DEFAULT NULL,
  `Gender` varchar(45) DEFAULT NULL,
  `Race` varchar(45) DEFAULT NULL,
  `Ethnicity` varchar(45) DEFAULT NULL,
  `Location_Location_id` int(11) NOT NULL,
  PRIMARY KEY (`HomelessPerson_id`,`Location_Location_id`),
  KEY `fk_Homeless Person_Location1` (`Location_Location_id`),
  CONSTRAINT `fk_Homeless Person_Location1` FOREIGN KEY
(`Location_Location_id`) REFERENCES `locatehomeless` (`location_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;

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

--
-- Dumping data for table `homelessperson`
--

LOCK TABLES `homelessperson` WRITE;

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

```

```

INSERT INTO `homelessperson` VALUES ('H000001','Rodger','Adams','1994-12-02','Male','Native','American',1005),('H000002','Crash','Thomson','1967-11-03','Male','African','American',1001),('H000003','Manali','Sharma','1994-11-11','Female','Native','Asian',1002),('H000004','Will','Smith','1960-12-03','Male','African','American',1005),('H000005','Anshul','Singh','1977-07-05','Male','Native','Asian',1005),('H000006','Rose','Williams','1990-03-03','Female','Native','American',1001),('H000007','Katlyne','Stacy','2000-11-03','Female','African','American',1005),('H000008','Kate','Willison','1997-11-03','Female','African','American',1002),('H000009','Sam','Mavreic','2004-11-03','Male','Native','American',1005),('H000010','Steve','Nantis','1950-11-03','Male','African','American',1003),('H000011','Dhara','Joshi','1980-11-03','Female','Native','Asian',1004);

```

```

/*!40000 ALTER TABLE `homelessperson` 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 = utf8mb4 */;

```

```

/*!50003 SET character_set_results = utf8mb4 */;

```

```

/*!50003 SET collation_connection = utf8mb4_0900_ai_ci */;

```

```

/*!50003 SET @saved_sql_mode = @@sql_mode */;

```

```

/*!50003 SET sql_mode = 'STRICT_TRANS_TABLES,NO_ENGINE_SUBSTITUTION' */;

```

```

DELIMITER ;;

```

```

/*!50003 CREATE*/ /*!50017 DEFINER=`root`@`localhost`*/ /*!50003 TRIGGER `trig_homlessperson` AFTER UPDATE ON `homelessperson` FOR EACH ROW BEGIN
    INSERT INTO homelessperson_log (HomelessPerson_id,FirstName,LastName,DateOfBirth,Gender,Race,Ethnicity,Location_Location_id)

```

```
VALUE(NEW.HomelessPerson_id,  
NEW.FirstName,NEW.LastName,NEW.DateOfBirth,  
NEW.Gender,NEW.Race,NEW.Ethnicity,NEW.Location_Location_id);  
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 `homelessperson_log`
```

```
--
```

```
DROP TABLE IF EXISTS `homelessperson_log`;
```

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

```
SET character_set_client = utf8mb4 ;
```

```
CREATE TABLE `homelessperson_log` (
```

```
  `HomelessPerson_id` varchar(45) DEFAULT NULL,
```

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

```
  `FirstName` varchar(45) DEFAULT NULL,
```

```
  `LastName` varchar(45) DEFAULT NULL,
```

```
  `DateOfBirth` date DEFAULT NULL,
```

```
  `Gender` varchar(45) DEFAULT NULL,
```

```
  `Race` varchar(45) DEFAULT NULL,
```

```

`Ethnicity` varchar(45) DEFAULT NULL,
`Location_Location_id` varchar(45) DEFAULT NULL,
PRIMARY KEY (`id`)
) ENGINE=InnoDB AUTO_INCREMENT=3 DEFAULT CHARSET=utf8mb4
COLLATE=utf8mb4_0900_ai_ci;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `homelessperson_log`
--

LOCK TABLES `homelessperson_log` WRITE;
/*!40000 ALTER TABLE `homelessperson_log` DISABLE KEYS */;
INSERT INTO `homelessperson_log` VALUES ('H000011',1,'Dhara','Joshi','1980-11-03','Female','Native','Asian','1004'),('H000011',2,'Dhara','Joshi','1980-11-03','Female','Native','Asian','1004');
/*!40000 ALTER TABLE `homelessperson_log` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `homelesstype`
--

DROP TABLE IF EXISTS `homelesstype`;
/*!40101 SET @saved_cs_client = @@character_set_client */;

```



```

SET character_set_client = utf8mb4 ;

CREATE TABLE `homelesstype` (
  `ReportType_ReportTypeID` varchar(45) NOT NULL,
  `HomelessPerson_HomelessPerson_id` varchar(45) NOT NULL,
  `HomelessPerson_Location_Location_id` varchar(45) NOT NULL,
  KEY `fk_HomelessType_ReportType1` (`ReportType_ReportTypeID`),
  KEY `fk_HomelessType_HomelessPerson1` (`HomelessPerson_HomelessPerson_id`),
  CONSTRAINT `fk_HomelessType_HomelessPerson1` FOREIGN KEY
  (`HomelessPerson_HomelessPerson_id`) REFERENCES `homelessperson`
  (`homelessperson_id`),
  CONSTRAINT `fk_HomelessType_ReportType1` FOREIGN KEY
  (`ReportType_ReportTypeID`) REFERENCES `reporttype` (`reporttypeid`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;

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

--
-- Dumping data for table `homelesstype`
--

LOCK TABLES `homelesstype` WRITE;

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

INSERT INTO `homelesstype` VALUES
('RE00001','H000001','1005'),('RE00002','H000002','1001'),('RE00003','H000003','1002'),
('RE00004','H000004','1005'),('RE00011','H000011','1004'),('RE00010','H000010','1003'),
('RE00009','H000009','1005'),('RE00008','H000008','1002'),('RE00007','H000007','1005'),
('RE00006','H000006','1001');

```

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

```
UNLOCK TABLES;
```

```
--
```

```
-- Table structure for table `homlesspersonrecord`
```

```
--
```

```
DROP TABLE IF EXISTS `homlesspersonrecord`;
```

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

```
SET character_set_client = utf8mb4 ;
```

```
CREATE TABLE `homlesspersonrecord` (
```

```
  `ReportHomeless_id` varchar(45) NOT NULL,
```

```
  `DateOfReport` date NOT NULL,
```

```
  `Doctor_Doctor_id` varchar(45) DEFAULT NULL,
```

```
  `Police_Police_id` varchar(45) NOT NULL,
```

```
  `HomelessPerson_HomelessPerson_id` varchar(45) NOT NULL,
```

```
  `HomelessPerson_Location_Location_id` varchar(45) NOT NULL,
```

```
  `ReportType_ReportTypeID` varchar(45) NOT NULL,
```

```
  PRIMARY KEY (`ReportHomeless_id`),
```

```
  KEY `fk_Report_Doctor1` (`Doctor_Doctor_id`),
```

```
  KEY `fk_Report_Police1` (`Police_Police_id`),
```

```
  KEY `fk_HomlessPersonRecord_HomelessPerson1` (`HomelessPerson_HomelessPerson_id`),
```

```
  KEY `fk_HomlessPersonRecord_ReportType1` (`ReportType_ReportTypeID`),
```

```
CONSTRAINT `fk_HomlessPersonRecord_Homeless_Person1` FOREIGN KEY  
(`HomelessPerson_HomelessPerson_id`) REFERENCES `homelessperson`  
(`homelessperson_id`),
```

```
CONSTRAINT `fk_HomlessPersonRecord_ReportType1` FOREIGN KEY  
(`ReportType_ReportTypeID`) REFERENCES `reporttype` (`reporttypeid`),
```

```
CONSTRAINT `fk_Report_Doctor1` FOREIGN KEY (`Doctor_Doctor_id`)  
REFERENCES `doctor` (`doctor_id`),
```

```
CONSTRAINT `fk_Report_Police1` FOREIGN KEY (`Police_Police_id`) REFERENCES  
`police` (`police_id`)
```

```
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
```

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

```
--
```

```
-- Dumping data for table `homlesspersonrecord`
```

```
--
```

```
LOCK TABLES `homlesspersonrecord` WRITE;
```

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

```
INSERT INTO `homlesspersonrecord` VALUES ('HR00001','2017-01-  
21','DOC101','PID0001','H000006','1001','RE00006'),('HR00002','2018-02-  
11',NULL,'PID0002','H000007','1005','RE00007'),('HR00003','2018-09-  
11','DOC102','PID0002','H000002','1001','RE00002'),('HR00004','2017-11-  
12','DOC104','PID0001','H000001','1005','RE00001'),('HR00005','2016-01-  
16','DOC101','PID0001','H000004','1005','RE00004'),('HR00006','2017-05-  
18',NULL,'PID0003','H000003','1002','RE00003'),('HR00007','2016-04-  
11','DOC106','PID0003','H000008','1002','RE00008'),('HR00008','2017-09-  
11','','PID0002','H000009','1005','RE00009'),('HR00009','2018-10-  
11','DOC103','PID0002','H000010','1003','RE00010'),('HR00010','2017-09-
```

```
21',NULL,'PID0001','H000011','1004','RE00011'),('HR00011','2016-09-30','DOC101','PID0001','H000005','1005','RE00005');
```

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

```
UNLOCK TABLES;
```

```
--
```

```
-- Table structure for table `hospital`
```

```
--
```

```
DROP TABLE IF EXISTS `hospital`;
```

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

```
SET character_set_client = utf8mb4 ;
```

```
CREATE TABLE `hospital` (
```

```
  `Hospital_id` varchar(45) NOT NULL,
```

```
  `Name` varchar(45) DEFAULT NULL,
```

```
  `Street` varchar(45) DEFAULT NULL,
```

```
  `City` varchar(45) DEFAULT NULL,
```

```
  `State` varchar(45) DEFAULT NULL,
```

```
  `ZipCode` varchar(45) DEFAULT NULL,
```

```
  PRIMARY KEY (`Hospital_id`)
```

```
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
```

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

```
--
```

```
-- Dumping data for table `hospital`
```

--

LOCK TABLES `hospital` WRITE;

/\*!40000 ALTER TABLE `hospital` DISABLE KEYS \*/;

INSERT INTO `hospital` VALUES  
('HOS1001','AIMS','Burbank','Boston','MA','02140'),('HOS1002','WeCare','Botolph'  
, 'Boston','MA','02115'),('HOS1003','Reliance','Roxbury','Boston','MA','02140'),('HO  
S1004','Hearts','Trmont','Boston','MA','02139');

/\*!40000 ALTER TABLE `hospital` ENABLE KEYS \*/;

UNLOCK TABLES;

--

-- Table structure for table `hospitaldepartment`

--

DROP TABLE IF EXISTS `hospitaldepartment`;

/\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;

SET character\_set\_client = utf8mb4 ;

CREATE TABLE `hospitaldepartment` (

`Hospital\_id` varchar(45) NOT NULL,

`Department\_id` varchar(45) NOT NULL,

KEY `fk\_HospitalDepartment\_Hospital1` (`Hospital\_id`),

KEY `fk\_HospitalDepartment\_Department1` (`Department\_id`),

CONSTRAINT `fk\_HospitalDepartment\_Department1` FOREIGN KEY  
 (`Department\_id`) REFERENCES `department` (`department\_id`),

```
CONSTRAINT `fk_HospitalDepartment_Hospital1` FOREIGN KEY (`Hospital_id`)
REFERENCES `hospital` (`hospital_id`)
```

```
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
```

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

```
--
```

```
-- Dumping data for table `hospitaldepartment`
```

```
--
```

```
LOCK TABLES `hospitaldepartment` WRITE;
```

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

```
INSERT INTO `hospitaldepartment` VALUES
('HOS1001','BOS101'),('HOS1002','BOS101'),('HOS1003','BOS102'),('HOS1004','BO
S102');
```

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

```
UNLOCK TABLES;
```

```
--
```

```
-- Table structure for table `hospitalroom`
```

```
--
```

```
DROP TABLE IF EXISTS `hospitalroom`;
```

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

```
SET character_set_client = utf8mb4 ;
```

```
CREATE TABLE `hospitalroom` (
```

```

`Room_id` varchar(45) NOT NULL,
`Capacity` int(20) DEFAULT NULL,
`Hospital_id` varchar(45) NOT NULL,
PRIMARY KEY (`Room_id`),
KEY `fk_HospitalRoom_Hospital1` (`Hospital_id`),
CONSTRAINT `fk_HospitalRoom_Hospital1` FOREIGN KEY (`Hospital_id`)
REFERENCES `hospital` (`hospital_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
/*!40101 SET character_set_client = @saved_cs_client */;

--

-- Dumping data for table `hospitalroom`

--

LOCK TABLES `hospitalroom` WRITE;

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

INSERT INTO `hospitalroom` VALUES
('ROOM101',4,'HOS1001'),('ROOM102',2,'HOS1001'),('ROOM201',1,'HOS1002'),('R
OOM202',2,'HOS1002'),('ROOM203',4,'HOS1002'),('ROOM204',1,'HOS1002'),('RO
OM205',2,'HOS1002'),('ROOM301',2,'HOS1003'),('ROOM302',2,'HOS1003'),('ROO
M303',4,'HOS1003'),('ROOM304',4,'HOS1003');

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

UNLOCK TABLES;

--

-- Table structure for table `locatehomeless`

```

--

DROP TABLE IF EXISTS `locatehomeless`;

/\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;

SET character\_set\_client = utf8mb4 ;

CREATE TABLE `locatehomeless` (

`Location\_id` int(11) NOT NULL,

`Street` varchar(45) DEFAULT NULL,

`City` varchar(45) DEFAULT NULL,

`ZipCode` varchar(45) DEFAULT NULL,

`State` varchar(45) DEFAULT NULL,

PRIMARY KEY (`Location\_id`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci;

/\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;

--

-- Dumping data for table `locatehomeless`

--

LOCK TABLES `locatehomeless` WRITE;

/\*!40000 ALTER TABLE `locatehomeless` DISABLE KEYS \*/;

INSERT INTO `locatehomeless` VALUES  
(1001,'Burbank','Boston','02144','MA'),(1002,'Botolph','Boston','02421','MA'),(1003,'Boylston','Boston','02115','MA'),(1004,'Tremont','Boston','02139','MA'),(1005,'Roxbury','Boston','02140','MA');



```

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

UNLOCK TABLES;

--

-- Table structure for table `police`
--

DROP TABLE IF EXISTS `police`;

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

SET character_set_client = utf8mb4 ;

CREATE TABLE `police` (
  `Police_id` varchar(45) NOT NULL,
  `FirstName` varchar(45) DEFAULT NULL,
  `LastName` varchar(45) DEFAULT NULL,
  `PoliceStation_PoliceStationID` varchar(45) NOT NULL,
  PRIMARY KEY (`Police_id`),
  UNIQUE KEY `Police_id_UNIQUE` (`Police_id`),
  KEY `fk_Police_PoliceStation1_idx` (`PoliceStation_PoliceStationID`),
  CONSTRAINT `fk_Police_PoliceStation1` FOREIGN KEY
  (`PoliceStation_PoliceStationID`) REFERENCES `policestation` (`policestationid`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;

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

--

-- Dumping data for table `police`

```

--

LOCK TABLES `police` WRITE;

/\*!40000 ALTER TABLE `police` DISABLE KEYS \*/;

INSERT INTO `police` VALUES  
('PID0001','Steve','Jobs','P0001'),('PID0002','Roger','Fed','P0002'),('PID0003','Chris',  
, 'Ronaldo','P0002'),('PID0004','Chris','Evans','P0004'),('PID0005','Steve','Jobs','P00  
01'),('PID0006','Sachin','Tendulkar','P0001'),('PID0007','Phil','Mavreick','P0003'),('  
PID0008','Eden','Hazard','P0001'),('PID0009','Paul','Pogba','P0002'),('PID0010','Sa  
m','Adams','P0001');

/\*!40000 ALTER TABLE `police` ENABLE KEYS \*/;

UNLOCK TABLES;

--

-- Temporary view structure for view `policedetails`

--

DROP TABLE IF EXISTS `policedetails`;

/\*!50001 DROP VIEW IF EXISTS `policedetails`\*/;

SET @saved\_cs\_client = @@character\_set\_client;

SET character\_set\_client = utf8mb4;

/\*!50001 CREATE VIEW `policedetails` AS SELECT

1 AS `Police\_id`,

1 AS `FirstName`,

1 AS `LastName`,

1 AS `PoliceStationID`,

```

1 AS `PoliceStationStreet`,
1 AS `PoliceStationCity`,
1 AS `PoliceStationState`,
1 AS `ZipCode`*/;
SET character_set_client = @saved_cs_client;

--
-- Temporary view structure for view `policereporttype`
--

DROP TABLE IF EXISTS `policereporttype`;
/*!50001 DROP VIEW IF EXISTS `policereporttype`*/;
SET @saved_cs_client = @@character_set_client;
SET character_set_client = utf8mb4;
/*!50001 CREATE VIEW `policereporttype` AS SELECT
1 AS `RecordNumber`,
1 AS `OfficerID`,
1 AS `PoliceOfficerFirstName`,
1 AS `PoliceOfficerLastName`,
1 AS `HomlessPersonFirstName`,
1 AS `HomlessPersonLastName`,
1 AS `ReportType`*/;
SET character_set_client = @saved_cs_client;

```

--

-- Table structure for table `policestation`

--

DROP TABLE IF EXISTS `policestation`;

/\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;

SET character\_set\_client = utf8mb4 ;

CREATE TABLE `policestation` (

  `PoliceStationID` varchar(45) NOT NULL,

  `PoliceStationStreet` varchar(45) DEFAULT NULL,

  `PoliceStationCity` varchar(45) DEFAULT NULL,

  `PoliceStationState` varchar(45) DEFAULT NULL,

  `PoliceStationZip` varchar(45) DEFAULT NULL,

  PRIMARY KEY (`PoliceStationID`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci;

/\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;

--

-- Dumping data for table `policestation`

--

LOCK TABLES `policestation` WRITE;

/\*!40000 ALTER TABLE `policestation` DISABLE KEYS \*/;

INSERT INTO `policestation` VALUES  
('P0001','Burbank','Boston','MA','02140'),('P0002','Tremont','Boston','MA','02139')

```
),('P0003','Botolph','Boston','MA','02421'),('P0004','Boylston','Boston','MA','02115');
```

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

```
UNLOCK TABLES;
```

```
--
```

```
-- Table structure for table `recordreporttype`
```

```
--
```

```
DROP TABLE IF EXISTS `recordreporttype`;
```

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

```
SET character_set_client = utf8mb4 ;
```

```
CREATE TABLE `recordreporttype` (
```

```
  `HomlessPersonRecord_ReportHomeless_id` varchar(15) NOT NULL,
```

```
  `ReportType_ReportTypeID` varchar(15) NOT NULL,
```

```
  KEY `fk_RecordReportType_HomlessPersonRecord`  
  (`HomlessPersonRecord_ReportHomeless_id`),
```

```
  CONSTRAINT `fk_RecordReportType_HomlessPersonRecord` FOREIGN KEY  
  (`HomlessPersonRecord_ReportHomeless_id`) REFERENCES  
  `homlesspersonrecord` (`reporthomeless_id`)
```

```
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
```

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

```
--
```

```
-- Dumping data for table `recordreporttype`
```

```
--
```

```

LOCK TABLES `recordreporttype` WRITE;

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

INSERT INTO `recordreporttype` VALUES
('HR00001','RE00001'),('HR00002','RE00002'),('HR00003','RE00003'),('HR00004','RE00004'),('HR00005','RE00005'),('HR00006','RE00006'),('HR00007','RE00007'),('HR00008','RE00008'),('HR00009','RE00009'),('HR00010','RE00010'),('HR00011','RE00011');

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

UNLOCK TABLES;

--

-- Table structure for table `reported`
--

DROP TABLE IF EXISTS `reported`;

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

SET character_set_client = utf8mb4 ;

CREATE TABLE `reported` (
  `ReportedId` varchar(15) NOT NULL,
  `ReportedFirstName` varchar(45) DEFAULT NULL,
  `ReportedLastName` varchar(45) DEFAULT NULL,
  `Homeless Person_HomelessPerson_id` varchar(45) DEFAULT NULL,
  PRIMARY KEY (`ReportedId`),
  KEY `fk_Reported_HomelessPerson1` (`Homeless Person_HomelessPerson_id`),

```

```
CONSTRAINT `fk_Reported_HomelessPerson1` FOREIGN KEY (`Homeless  
Person_HomelessPerson_id`) REFERENCES `homelessperson`  
(`homelessperson_id`)
```

```
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
```

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

```
--
```

```
-- Dumping data for table `reported`
```

```
--
```

```
LOCK TABLES `reported` WRITE;
```

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

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

```
UNLOCK TABLES;
```

```
--
```

```
-- Table structure for table `reporttype`
```

```
--
```

```
DROP TABLE IF EXISTS `reporttype`;
```

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

```
SET character_set_client = utf8mb4 ;
```

```
CREATE TABLE `reporttype` (
```

```
  `ReportTypeID` varchar(45) NOT NULL,
```

```
  `ReportType` varchar(45) DEFAULT NULL,
```

```

PRIMARY KEY (`ReportTypeID`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `reporttype`
--

LOCK TABLES `reporttype` WRITE;
/*!40000 ALTER TABLE `reporttype` DISABLE KEYS */;
INSERT INTO `reporttype` VALUES
('RE00001','Medical'),('RE00002','Criminal'),('RE00003','Criminal'),('RE00004','Med
ical'),('RE00006','Criminal'),('RE00007','Criminal'),('RE00008','Medical'),('RE00009',
'Criminal'),('RE00010','Medical'),('RE00011','Medical');
/*!40000 ALTER TABLE `reporttype` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Dumping events for database 'homelesspeopleinformation'
--

--
-- Dumping routines for database 'homelesspeopleinformation'
--
/*!50003 DROP PROCEDURE IF EXISTS `DetailsOfHomelesspeople` */;

```



```

/*!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  = utf8mb4 */;
/*!50003 SET character_set_results = utf8mb4 */;
/*!50003 SET collation_connection  = utf8mb4_0900_ai_ci */;
/*!50003 SET @saved_sql_mode       = @@sql_mode */;
/*!50003  SET  sql_mode              =
'STRICT_TRANS_TABLES,NO_ENGINE_SUBSTITUTION' */;
DELIMITER ;;

CREATE DEFINER=`root`@`localhost` PROCEDURE `DetailsOfHomelesspeople`()
BEGIN
SELECT
    A.Police_id,
    A.FirstName,
    A.LastName,
    C.ReportHomeless_id,
    C.DateOfReport,
    D.FirstName AS HomlessPersonFirstName,
    D.LastName AS HomlessPersonLastName,
    D.Gender,
    D.Race,
    D.Ethnicity,
    E.Street AS StreetLocated,
    E.City As CityLocation,

```

```

    E.ZipCode,
    E.State
FROM
    Police AS A
    INNER JOIN
        HomlessPersonRecord AS C
        ON (A.Police_id = C.Police_Police_id)
    INNER JOIN
        HomelessPerson AS D
        ON (C.HomelessPerson_HomelessPerson_id = D.HomelessPerson_id)
    INNER JOIN
        LocateHomeless AS E
        ON(D.Location_Location_id = E.Location_id)
    group by D.LastName;

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 `MedicalDetails` */;
/*!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 = utf8mb4 */ ;
/*!50003 SET character_set_results = utf8mb4 */ ;
/*!50003 SET collation_connection = utf8mb4_0900_ai_ci */ ;
/*!50003 SET @saved_sql_mode      = @@sql_mode */ ;
/*!50003 SET sql_mode              =
'STRICT_TRANS_TABLES,NO_ENGINE_SUBSTITUTION' */ ;
DELIMITER ;;
CREATE DEFINER=`root`@`localhost` PROCEDURE `MedicalDetails`()
BEGIN
SELECT distinct
        C.ReportHomeless_id AS RecordNumber,
        C.DateOfReport,
        D.FirstName AS HomlessPersonFirstName,
        D.LastName AS HomlessPersonLastName,
        D.Gender,
        D.Race,
        D.Ethnicity,
        E.Street AS StreetLocated,
        E.City As CityLocation,
        E.ZipCode,
        E.State,
        F.FirstName AS DoctorFirstName,
        F.LastName AS DoctorLastName,
        H.Name AS HospitalName,
        H.ZipCode,

```

```

A.Police_id,
A.FirstName AS PoilceFirestName ,
A.LastName AS PoilceLastName
FROM
Police AS A
INNER JOIN
HomlessPersonRecord AS C
ON (A.Police_id = C.Police_Police_id)
INNER JOIN
HomelessPerson AS D
ON (C.HomelessPerson_HomelessPerson_id = D.HomelessPerson_id)
INNER JOIN
LocateHomeless AS E
ON(D.Location_Location_id = E.Location_id)
INNER JOIN
DOCTOR AS F
ON (C.Doctor_Doctor_id=F.Doctor_id)
INNER JOIN
Hospital AS H
ON(F.Hospital_Hospital_id=H.Hospital_id)
group by D.LastName;
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 `allpolicedetails`

--

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

/*!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   = utf8mb4 */;
/*!50001 SET character_set_results  = utf8mb4 */;
/*!50001 SET collation_connection   = utf8mb4_0900_ai_ci */;
/*!50001 CREATE ALGORITHM=UNDEFINED */
/*!50013 DEFINER=`root`@`localhost` SQL SECURITY DEFINER */
/*!50001  VIEW    `allpolicedetails`  AS  select    `a`.`Police_id`      AS
`Police_id`,`a`.`FirstName`        AS      `FirstName`,`a`.`LastName`      AS
`LastName`,`b`.`PoliceStationID` AS `PoliceStationID`,`b`.`PoliceStationStreet` AS
`PoliceStationStreet`,`b`.`PoliceStationCity`      AS
`PoliceStationCity`,`b`.`PoliceStationState`      AS
`PoliceStationState`,`b`.`PoliceStationZip` AS `ZipCode` from (`police` `a` join
`policestation` `b` on((`a`.`PoliceStation_PoliceStationID` = `b`.`PoliceStationID`)))
group by `a`.`LastName` */;

/*!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 `policedetails`

--

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

/*!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    = utf8mb4 */;
/*!50001 SET character_set_results   = utf8mb4 */;
/*!50001 SET collation_connection    = utf8mb4_0900_ai_ci */;
/*!50001 CREATE ALGORITHM=UNDEFINED */
/*!50013 DEFINER=`root`@`localhost` SQL SECURITY DEFINER */
/*!50001    VIEW    `policedetails`    AS    select    `a`.`Police_id`    AS
`Police_id`,`a`.`FirstName`    AS    `FirstName`,`a`.`LastName`    AS
`LastName`,`b`.`PoliceStationID` AS `PoliceStationID`,`b`.`PoliceStationStreet` AS
`PoliceStationStreet`,`b`.`PoliceStationCity`    AS
`PoliceStationCity`,`b`.`PoliceStationState`    AS
`PoliceStationState`,`b`.`PoliceStationZip` AS `ZipCode` from (`police` `a` join
`policestation` `b` on((`a`.`PoliceStation_PoliceStationID` = `b`.`PoliceStationID`)))
group by `a`.`LastName` */;

/*!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 `policereporttype`

--

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

/*!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  = utf8mb4 */;
/*!50001 SET character_set_results = utf8mb4 */;
/*!50001 SET collation_connection  = utf8mb4_0900_ai_ci */;
/*!50001 CREATE ALGORITHM=UNDEFINED */
/*!50013 DEFINER=`root`@`localhost` SQL SECURITY DEFINER */
/*!50001 VIEW `policereporttype` AS select `x`.`ReportHomeless_id` AS
`RecordNumber`,`p`.`Police_id` AS `OfficerID`,`p`.`FirstName` AS
`PoliceOfficerFirstName`,`p`.`LastName` AS
`PoliceOfficerLastName`,`h`.`FirstName` AS
`HomlessPersonFirstName`,`h`.`LastName` AS
`HomlessPersonLastName`,`r`.`ReportType` AS `ReportType` from (((`police` `p`
join `homlesspersonrecord` `x` on((`x`.`Police_Police_id` = `p`.`Police_id`))) join
`homelessperson` `h` on((`x`.`HomelessPerson_HomelessPerson_id` =
`h`.`HomelessPerson_id`))) join `reporttype` `r` on((`x`.`ReportType_ReportTypeID`
= `r`.`ReportTypeID`))) group by `h`.`LastName` */;

/*!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 2018-12-13 6:17:49
```



## Queries for View, Tirggers, Procedures and Analysis

```
-- -----  
-- PROCEDURE to view all the details of home less people  
-- -----
```

```
USE `homelesspeopleinformation`;
```

```
DROP procedure IF EXISTS `DetailsOfHomelesspeople`;
```

```
DELIMITER $$
```

```
USE `homelesspeopleinformation`$$
```

```
CREATE DEFINER=`root`@`localhost` PROCEDURE `DetailsOfHomelesspeople`()
```

```
BEGIN
```

```
SELECT
```

```
    A.Police_id,
```

```
    A.FirstName,
```

```
    A.LastName,
```

```
    C.ReportHomeless_id,
```

```
    C.DateOfReport,
```

```
    D.FirstName AS HomlessPersonFirstName,
```

```
    D.LastName AS HomlessPersonLastName,
```

```
D.Gender,
D.Race,
D.Ethnicity,
E.Street AS StreetLocated,
E.City As CityLocation,
E.ZipCode,
E.State
FROM
Police AS A
INNER JOIN
    HomlessPersonRecord AS C
    ON (A.Police_id = C.Police_Police_id)
INNER JOIN
    HomelessPerson AS D
    ON (C.HomelessPerson_HomelessPerson_id = D.HomelessPerson_id)
INNER JOIN
    LocateHomeless AS E
    ON(D.Location_Location_id = E.Location_id)
    group by D.LastName;
END$$

DELIMITER ;
```

Call DetailsOfHomelesspeople();

```
-----  
-- Procedure HOME LESS People having medical condition  
-----
```

USE `homelesspeopleinformation`;

DROP procedure IF EXISTS `MedicalDetails`;

DELIMITER \$\$

USE `homelesspeopleinformation` \$\$

CREATE PROCEDURE `MedicalDetails` ()

BEGIN

SELECT distinct

    C.ReportHomeless\_id AS RecordNumber,

    C.DateOfReport,

    D.FirstName AS HomlessPersonFirstName,

    D.LastName AS HomlessPersonLastName,

    D.Gender,

    D.Race,

    D.Ethnicity,

```

E.Street AS StreetLocated,
E.City As CityLocation,
E.ZipCode,
E.State,
F.FirstName AS DoctorFirstName,
F.LastName AS DoctorLastName,
H.Name AS HospitalName,
H.ZipCode,
A.Police_id,
A.FirstName AS PoilceFirestName ,
A.LastName AS PoilceLastName
FROM
Police AS A
INNER JOIN HomlessPersonRecord AS C ON A.Police_id = C.Police_Police_id
INNER JOIN
HomelessPerson AS D
ON (C.HomelessPerson_HomelessPerson_id = D.HomelessPerson_id)
INNER JOIN
LocateHomeless AS E
ON(D.Location_Location_id = E.Location_id)
INNER JOIN
DOCTOR AS F
ON (C.Doctor_Doctor_id=F.Doctor_id)
INNER JOIN

```

```
Hospital AS H
ON(F.Hospital_Hospital_id=H.Hospital_id)
group by D.LastName;
END$$
```

```
DELIMITER ;
```

```
CALL MedicalDetails();
```

```
-- -----
-- View for checking homeless persons report
-- -----
```

```
USE `homelesspeopleinformation`;
CREATE OR REPLACE VIEW `PoliceReportType` AS
SELECT X.ReportHomeless_id AS RecordNumber,
       P.Police_id AS OfficerID,
       P.FirstName AS PoliceOfficerFirstName,
       P.LastName AS PoliceOfficerLastName,
       H.FirstName AS HomlessPersonFirstName,
       H.LastName AS HomlessPersonLastName,
       R.ReportType AS ReportType
FROM
```

```

        POLICE AS P
    INNER JOIN homelesspersonrecord X
    ON (X.Police_Police_id=P.Police_id)
    INNER JOIN homelessperson AS H
    ON (X.HomelessPerson_HomelessPerson_id=H.HomelessPerson_id)
    INNER JOIN reporttype R
    ON(X.ReportType_ReportTypeID=R.ReportTypeID)
    GROUP BY H.LastName;;

```

```

Select * from PoliceReportType;

```

```

-----
-- - Anaylsis Max health supported need in an area using ZIP Code
-----

```

```

SELECT
    L.ZipCode,
    MAX(R.ReportType)
FROM
    locatehomeless AS L
    INNER JOIN homelessperson AS HP
    ON(HP.Location_Location_id=L.Location_id)
    INNER JOIN homelessstype AS X
    ON(X.HomelessPerson_Location_Location_id =HP.Location_Location_id)
    INNER JOIN reporttype AS R

```

ON(X.ReportType\_ReportTypeID=R.ReportTypeID)

WHERE R.ReportType='Medical'

GROUP BY R.ReportType ;

Select Z.ZipCode,

Max(R.ReportType) AS MaxHealthIssue

FROM

locatehomeless AS Z

INNER JOIN homelessperson AS H

ON (Z.Location\_id= H.Location\_Location\_id)

INNER JOIN homelesspersonrecord AS Y

ON(Y.HomelessPerson\_HomelessPerson\_id=H.HomelessPerson\_id)

INNER JOIN reporttype AS R

ON(Y.ReportType\_ReportTypeID=R.ReportTypeID);

-- -----

-- TRIGGER to log changes in homelessPerson table into homelessPerson\_log

-- -----

delimiter //

CREATE TRIGGER trig\_homlessperson

AFTER UPDATE ON homelessperson

FOR EACH ROW

BEGIN

```
INSERT INTO homelessperson_log  
(HomelessPerson_id,FirstName,LastName,DateOfBirth,Gender,Race,Ethnicity,Location_Location_id)
```

```
VALUE(NEW.HomelessPerson_id,  
NEW.FirstName,NEW.LastName,NEW.DateOfBirth,  
NEW.Gender,NEW.Race,NEW.Ethnicity,NEW.Location_Location_id);
```

```
END;
```

```
//
```

```
Select * from homelessperson_log;
```

```
-----
```

```
-- View for police details
```

```
-----
```

```
USE `homelesspeopleinformation`;
```

```
CREATE OR REPLACE VIEW `AllPoliceDetails` AS
```

```
SELECT distinct
```

```
    A.Police_id,
```

```
    A.FirstName,
```

```
    A.LastName,
```

```
    B.PoliceStationID,
```

```
    B.PoliceStationStreet,
```

```
    B.PoliceStationCity,
```

```
    B.PoliceStationState,
```



B.PoliceStationZip AS ZipCode

FROM

Police AS A

Inner Join

PoliceStation AS B

ON (A.PoliceStation\_PoliceStationID = B.PoliceStationID)

group by A.LastName;;

select \* from allpolicedetails;