CREATE DATABASE IF NOT EXISTS `company` /\*!40100 DEFAULT CHARACTER SET utf8mb4 COLLATE utf8mb4\_0900\_ai\_ci \*/ /\*!80016 DEFAULT ENCRYPTION='N' \*/;

USE `company`;

-- MySQL dump 10.13 Distrib 8.0.17, for macos10.14 (x86\_64)

--

-- Host: localhost Database: company

-- ------------------------------------------------------

-- Server version 8.0.17

/\*!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 \*/;

/\*!50503 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 `department`

--

DROP TABLE IF EXISTS `department`;

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

/\*!50503 SET character\_set\_client = utf8mb4 \*/;

CREATE TABLE `department` (

`dname` char(20) NOT NULL,

`dnumber` decimal(1,0) NOT NULL,

`mgrssn` decimal(9,0) NOT NULL,

`mgrstartdate` date NOT NULL,

PRIMARY KEY (`dnumber`),

UNIQUE KEY `dname` (`dname`),

KEY `depemp` (`mgrssn`),

CONSTRAINT `depemp` FOREIGN KEY (`mgrssn`) REFERENCES `employee` (`ssn`)

) 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 ('Headquarters',1,888665555,'1981-06-19'),('Security',2,987654321,'1988-02-12'),('System Development',3,987654321,'1986-02-12'),('Administration',4,987654321,'1995-01-01'),('Research',5,333445555,'1988-05-22'),('Human Resources',6,123456789,'1989-06-23'),('Finance',9,453453453,'1987-01-10');

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

UNLOCK TABLES;

--

-- Table structure for table `dependent`

--

DROP TABLE IF EXISTS `dependent`;

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

/\*!50503 SET character\_set\_client = utf8mb4 \*/;

CREATE TABLE `dependent` (

`essn` decimal(9,0) NOT NULL,

`dependent\_name` char(10) NOT NULL,

`sex` char(1) NOT NULL,

`bdate` date NOT NULL,

`relationship` char(30) NOT NULL,

PRIMARY KEY (`essn`,`dependent\_name`),

CONSTRAINT `dependent\_ibfk\_1` FOREIGN KEY (`essn`) REFERENCES `employee` (`ssn`)

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

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

--

-- Dumping data for table `dependent`

--

LOCK TABLES `dependent` WRITE;

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

INSERT INTO `dependent` VALUES (123456789,'Alice','F','1988-12-30','Daughter'),(123456789,'Elizabeth','F','1967-05-05','Spouse'),(123456789,'Michael','M','1988-01-04','Son'),(333445555,'Alice','F','1986-04-04','Daughter'),(333445555,'Joy','F','1958-05-03','Spouse'),(333445555,'Theodore','M','1983-10-25','Son'),(987654321,'Abner','M','1942-02-28','Spouse');

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

UNLOCK TABLES;

--

-- Table structure for table `dept\_locations`

--

DROP TABLE IF EXISTS `dept\_locations`;

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

/\*!50503 SET character\_set\_client = utf8mb4 \*/;

CREATE TABLE `dept\_locations` (

`dnumber` decimal(1,0) NOT NULL,

`dlocation` char(15) NOT NULL,

PRIMARY KEY (`dnumber`,`dlocation`),

CONSTRAINT `dept\_locations\_ibfk\_1` FOREIGN KEY (`dnumber`) REFERENCES `department` (`dnumber`)

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

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

--

-- Dumping data for table `dept\_locations`

--

LOCK TABLES `dept\_locations` WRITE;

/\*!40000 ALTER TABLE `dept\_locations` DISABLE KEYS \*/;

INSERT INTO `dept\_locations` VALUES (1,'Houston'),(4,'Stafford'),(5,'Bellaire'),(5,'Houston'),(5,'Sugarland');

/\*!40000 ALTER TABLE `dept\_locations` ENABLE KEYS \*/;

UNLOCK TABLES;

--

-- Table structure for table `employee`

--

DROP TABLE IF EXISTS `employee`;

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

/\*!50503 SET character\_set\_client = utf8mb4 \*/;

CREATE TABLE `employee` (

`fname` char(10) NOT NULL,

`lname` char(20) NOT NULL,

`ssn` decimal(9,0) NOT NULL,

`bdate` date NOT NULL,

`address` char(30) NOT NULL,

`sex` char(1) NOT NULL,

`salary` decimal(5,0) NOT NULL,

`superssn` decimal(9,0) DEFAULT NULL,

`dno` decimal(1,0) NOT NULL,

PRIMARY KEY (`ssn`),

KEY `dno` (`dno`),

KEY `empemp` (`superssn`),

CONSTRAINT `empemp` FOREIGN KEY (`superssn`) REFERENCES `employee` (`ssn`),

CONSTRAINT `employee\_ibfk\_1` FOREIGN KEY (`dno`) REFERENCES `department` (`dnumber`)

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

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

--

-- Dumping data for table `employee`

--

LOCK TABLES `employee` WRITE;

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

INSERT INTO `employee` VALUES ('John','Smith',123456789,'1965-01-09','731 Fondren, Houston TX','M',30000,333445555,5),('Franklin','Wong',333445555,'1955-12-08','638 Voss, Houston TX','M',40000,888665555,5),('Joyce','English',453453453,'1972-07-31','5631 Rice, Houston TX','F',25000,333445555,5),('Ramesh','Narayan',666884444,'1962-09-15','975 Fire Oak, Humble TX','M',38000,333445555,5),('James','Borg',888665555,'1937-11-10','450 Stone, Houston TX','M',55000,NULL,1),('Jennifer','Wallace',987654321,'1941-06-20','291 Berry, Bellaire TX','F',43000,888665555,4),('Ahmad','Jabbar',987987987,'1969-03-29','980 Dallas, Houston TX','M',25000,987654321,4),('Alicia','Zelaya',999887777,'1968-01-19','3321 Castle, Spring TX','F',25000,987654321,4);

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

UNLOCK TABLES;

--

-- Table structure for table `project`

--

DROP TABLE IF EXISTS `project`;

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

/\*!50503 SET character\_set\_client = utf8mb4 \*/;

CREATE TABLE `project` (

`pname` char(20) NOT NULL,

`pnumber` decimal(2,0) NOT NULL,

`plocation` char(20) NOT NULL,

`dnum` decimal(1,0) NOT NULL,

PRIMARY KEY (`pnumber`),

UNIQUE KEY `pname` (`pname`),

KEY `dnum` (`dnum`),

CONSTRAINT `project\_ibfk\_1` FOREIGN KEY (`dnum`) REFERENCES `department` (`dnumber`)

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

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

--

-- Dumping data for table `project`

--

LOCK TABLES `project` WRITE;

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

INSERT INTO `project` VALUES ('ProductZ',5,'Houston',5),('Computerization',10,'Stafford',4),('Reorganization',20,'Houston',1);

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

UNLOCK TABLES;

--

-- Temporary view structure for view `social\_roster`

--

DROP TABLE IF EXISTS `social\_roster`;

/\*!50001 DROP VIEW IF EXISTS `social\_roster`\*/;

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

/\*!50503 SET character\_set\_client = utf8mb4 \*/;

/\*!50001 CREATE VIEW `social\_roster` AS SELECT

1 AS `fname`,

1 AS `lname`,

1 AS `bdate`,

1 AS `address`,

1 AS `sex`\*/;

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

--

-- Temporary view structure for view `social\_roster\_with\_age`

--

DROP TABLE IF EXISTS `social\_roster\_with\_age`;

/\*!50001 DROP VIEW IF EXISTS `social\_roster\_with\_age`\*/;

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

/\*!50503 SET character\_set\_client = utf8mb4 \*/;

/\*!50001 CREATE VIEW `social\_roster\_with\_age` AS SELECT

1 AS `fname`,

1 AS `lname`,

1 AS `bdate`,

1 AS `address`,

1 AS `sex`,

1 AS `age`\*/;

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

--

-- Table structure for table `works\_on`

--

DROP TABLE IF EXISTS `works\_on`;

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

/\*!50503 SET character\_set\_client = utf8mb4 \*/;

CREATE TABLE `works\_on` (

`essn` decimal(9,0) NOT NULL,

`pno` decimal(2,0) NOT NULL,

`hours` decimal(5,1) DEFAULT NULL,

PRIMARY KEY (`essn`,`pno`),

KEY `pno` (`pno`),

CONSTRAINT `works\_on\_ibfk\_1` FOREIGN KEY (`essn`) REFERENCES `employee` (`ssn`),

CONSTRAINT `works\_on\_ibfk\_2` FOREIGN KEY (`pno`) REFERENCES `project` (`pnumber`) ON DELETE CASCADE ON UPDATE CASCADE

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

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

--

-- Dumping data for table `works\_on`

--

LOCK TABLES `works\_on` WRITE;

/\*!40000 ALTER TABLE `works\_on` DISABLE KEYS \*/;

INSERT INTO `works\_on` VALUES (333445555,5,10.0),(333445555,10,10.0),(333445555,20,10.0),(666884444,5,40.0),(888665555,20,NULL),(987654321,20,15.0),(987987987,10,35.0),(999887777,10,10.0);

/\*!40000 ALTER TABLE `works\_on` ENABLE KEYS \*/;

UNLOCK TABLES;

--

-- Final view structure for view `social\_roster`

--

/\*!50001 DROP VIEW IF EXISTS `social\_roster`\*/;

/\*!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 `social\_roster` AS select `employee`.`fname` AS `fname`,`employee`.`lname` AS `lname`,`employee`.`bdate` AS `bdate`,`employee`.`address` AS `address`,`employee`.`sex` AS `sex` from `employee` \*/;

/\*!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 `social\_roster\_with\_age`

--

/\*!50001 DROP VIEW IF EXISTS `social\_roster\_with\_age`\*/;

/\*!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 `social\_roster\_with\_age` AS select `employee`.`fname` AS `fname`,`employee`.`lname` AS `lname`,`employee`.`bdate` AS `bdate`,`employee`.`address` AS `address`,`employee`.`sex` AS `sex`,`calc\_age`(`employee`.`bdate`) AS `age` from `employee` \*/;

/\*!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 2019-10-22 13:47:04