**Takeaway Restaurant Management System**

Problem Statement -

A lot of transactions take place in a take-away restaurant each day. Recording them and all associated tasks of operating a restaurant like managing inventory, managing employee data and analysing the data can be a tedious task if done manually in record books. As an alternative, one can accomplish all these tasks in a single system using a database management system.

This system should help in running the restaurant more efficiently by:

* Keeping records of all daily transactions in one place
* Managing inventory
* Managing Employee data
* Data is available for filing tax related information
* Managing supplier/vendor information
* Analysing historical data to view restaurant performance/manage costs

Users of the database could be:

* Owner/Manager
* Cashier
* Customer (limited to viewing menu items)

Proposed Entities:

* Customers
* Orders
* Employees
* Food available
* Inventory of Raw materials

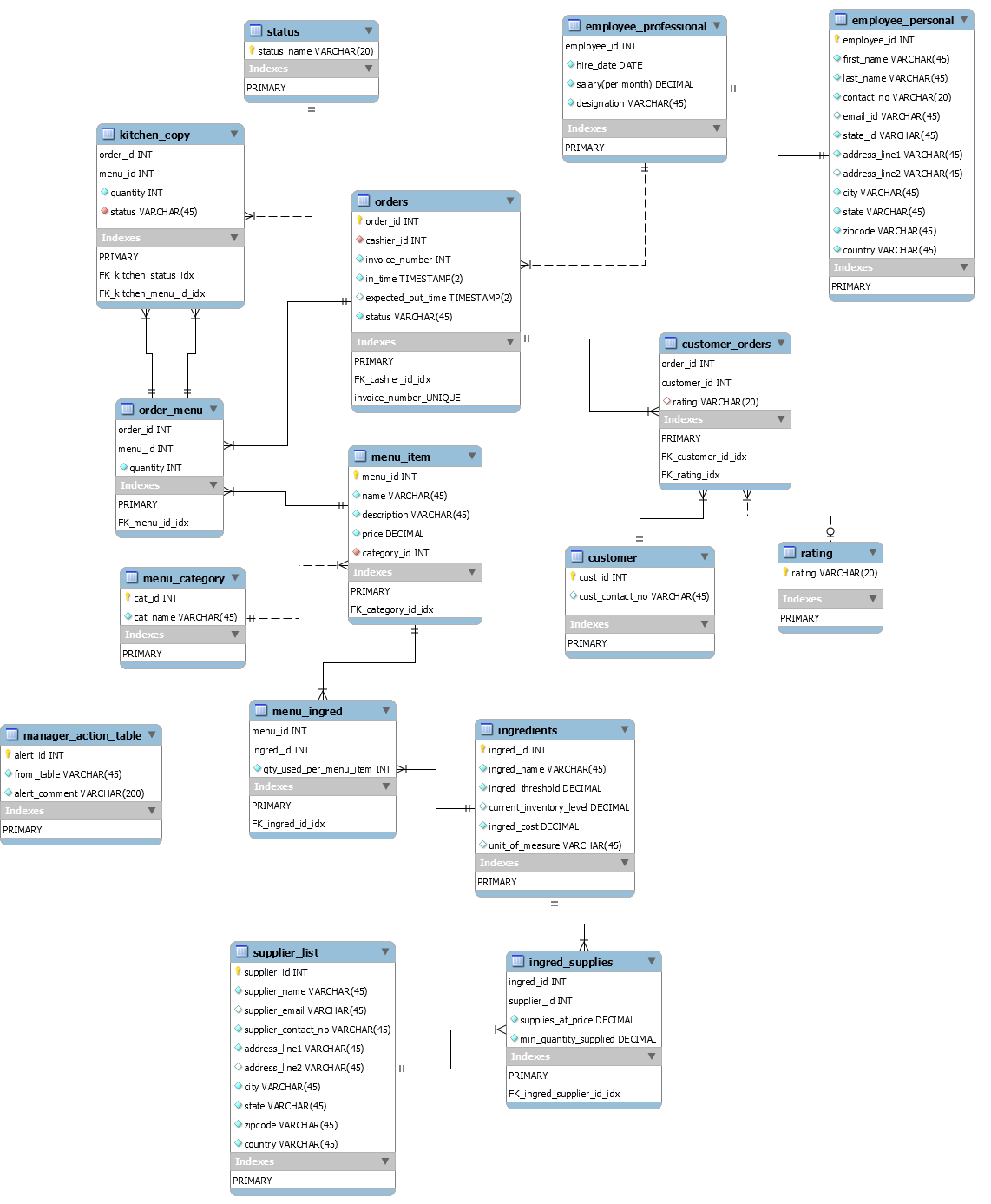
**Approach to Solve this Problem:**

First the requirements were converted to business rules-

* Customers place orders.
* Orders are served by employees.
* Employees have personal and professional information.
* Orders have menu\_items.
* Kitchen staff updates status of each menu\_item in order that has been prepared.
* Menu\_items can belong to different categories.
* Different ingredients are used to prepare menu\_items.
* Ingredients are supplied by different suppliers/vendors.

Then a preliminary ER diagram was prepared. The final ER diagram is given on the next page.

Final ER Diagram



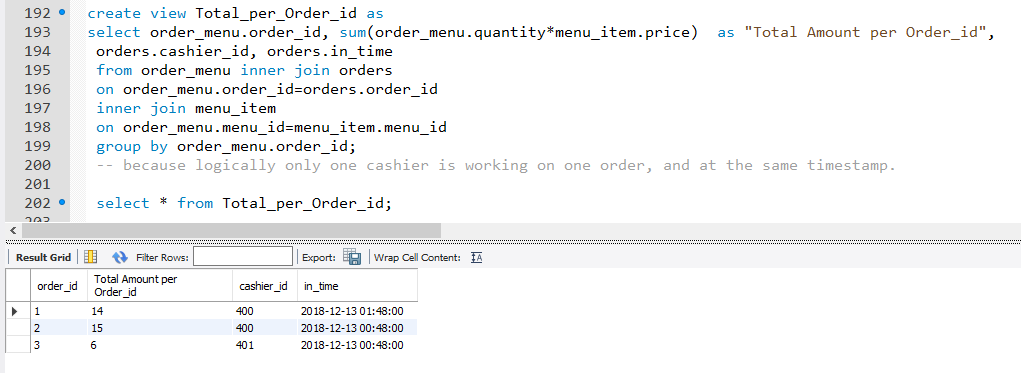
Note: Many-to-many relationships have been implemented using a third (bridge) table.

**VIEWS Implemented**

* View Definition 1:

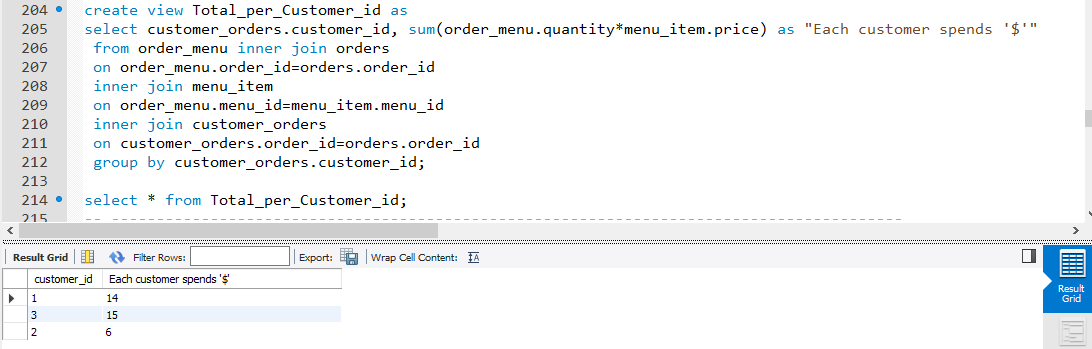
We can calculate the total value of each order quickly using this view.

Using the “in\_time” field, we can find the number of orders/value of orders processed per day or at any given time of day.



* View Definition 2:

We can calculate total value of orders placed by each customer. This can help us determine the average sales per customer.



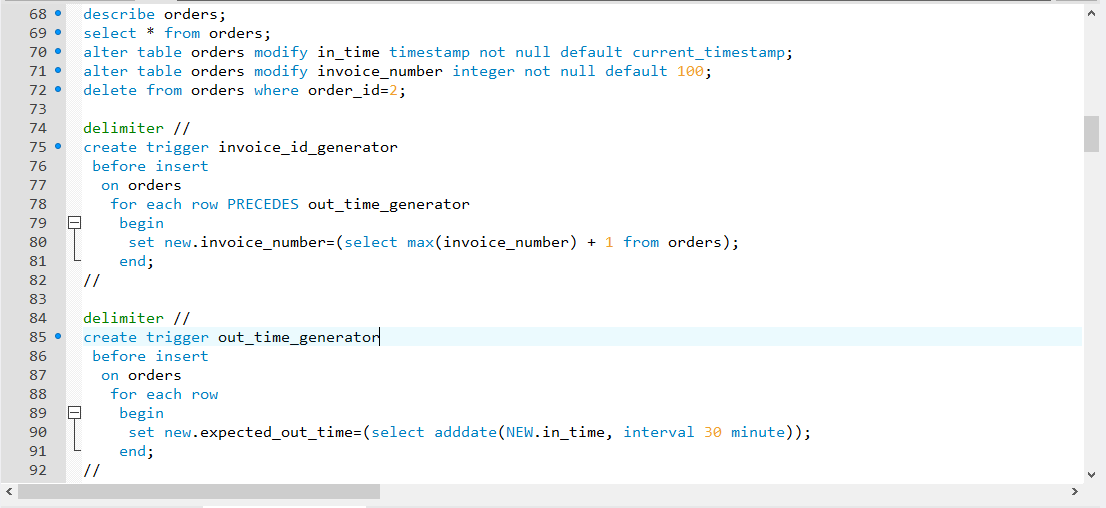
**TRIGGERS Implemented**

* Two triggers on same table to generate column data:

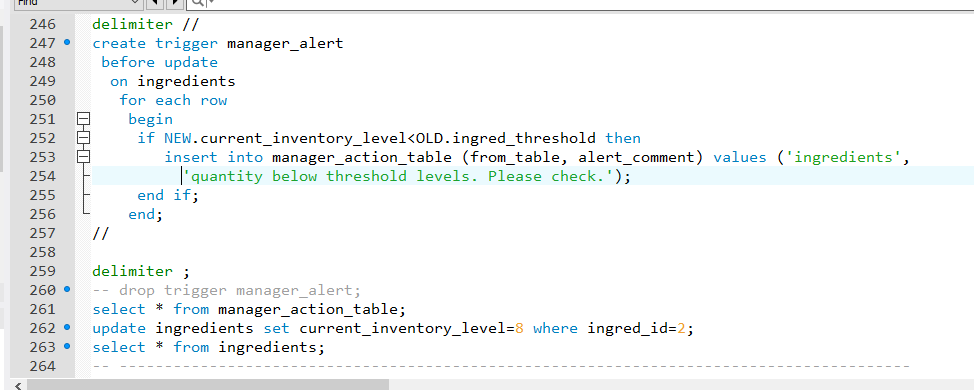
MYSQL does not allow two fields to be set to “auto\_increment” in the same table. But I needed two fields to be auto-generated. So a trigger “invoice\_id\_generator” has been used to generate the second field “invoice\_number”.

A field was needed that specified a timeout situation that was 30 minutes from when data is inserted. (30 minutes since order was placed.) Hence another trigger “Out\_time\_generator” has been used to document that time.

“PRECEDES” keyword is used to denote that trigger “invoice\_id\_generator” precedes trigger “Out\_time\_generator”.

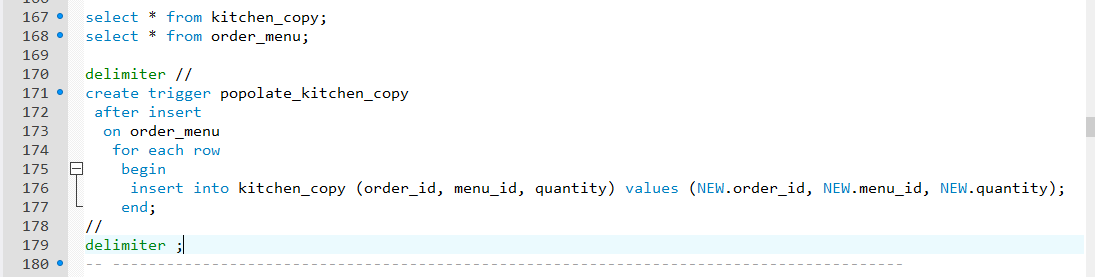


* Trigger to Insert data in ‘Manager\_action\_table’ (to alert manager) when inventory quantity goes below threshold value:



* Trigger to populate “kitchen\_copy” table to reduce manual work:

“kitchen\_copy” is the kitchen’s copy of the order that has to be fulfilled. Instead of manually entering data, trigger “populate\_kitchen\_copy” inserts a statement in the table each time a row is inserted in table “order\_menu”.



**CHECKS Implemented using Another Table**

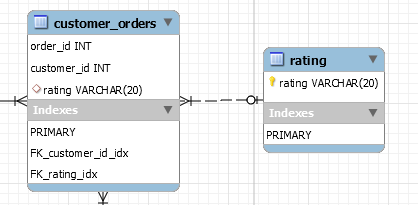
As we know, MySQL does not support check constraints. As a workaround, another table can be used to limit the values of a column.

* Rating table.

“rating” field of “customer\_orders” can only have values that are already present in “rating” table.

This is possible due to referential integrity.

Referenced table: “rating” (PK)

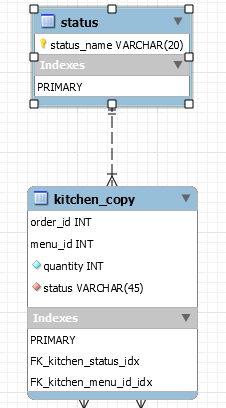


* Status table.

“status” field of “kitchen\_copy” table can only have values that are present in “status” table.

This is possible due to referential integrity.

Referenced table: “status” (PK)



Appendix A: MySQL Dump

CREATE DATABASE IF NOT EXISTS `dmdd\_project\_garima` /\*!40100 DEFAULT CHARACTER SET utf8 \*/;

USE `dmdd\_project\_garima`;

-- MySQL dump 10.13 Distrib 8.0.12, for Win64 (x86\_64)

--

-- Host: localhost Database: dmdd\_project\_garima

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

-- 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 \*/;

--

-- Table structure for table `customer`

--

DROP TABLE IF EXISTS `customer`;

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

SET character\_set\_client = utf8mb4 ;

CREATE TABLE `customer` (

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

`cust\_contact\_no` varchar(45) DEFAULT NULL,

PRIMARY KEY (`cust\_id`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

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

--

-- Dumping data for table `customer`

--

LOCK TABLES `customer` WRITE;

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

INSERT INTO `customer` VALUES (1,'9858747895'),(2,NULL),(3,'5487965894'),(4,NULL),(5,NULL),(6,NULL);

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

UNLOCK TABLES;

--

-- Table structure for table `customer\_orders`

--

DROP TABLE IF EXISTS `customer\_orders`;

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

SET character\_set\_client = utf8mb4 ;

CREATE TABLE `customer\_orders` (

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

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

`rating` varchar(20) DEFAULT NULL,

PRIMARY KEY (`order\_id`,`customer\_id`),

KEY `FK\_customer\_id\_idx` (`customer\_id`),

KEY `FK\_rating\_idx` (`rating`),

CONSTRAINT `FK\_customer\_id` FOREIGN KEY (`customer\_id`) REFERENCES `customer` (`cust\_id`),

CONSTRAINT `FK\_customer\_order\_id` FOREIGN KEY (`order\_id`) REFERENCES `orders` (`order\_id`),

CONSTRAINT `FK\_rating` FOREIGN KEY (`rating`) REFERENCES `rating` (`rating`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

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

--

-- Dumping data for table `customer\_orders`

--

LOCK TABLES `customer\_orders` WRITE;

/\*!40000 ALTER TABLE `customer\_orders` DISABLE KEYS \*/;

INSERT INTO `customer\_orders` VALUES (2,3,'average'),(1,1,'good'),(4,5,'poor'),(3,2,'recommend');

/\*!40000 ALTER TABLE `customer\_orders` ENABLE KEYS \*/;

UNLOCK TABLES;

--

-- Table structure for table `employee\_personal`

--

DROP TABLE IF EXISTS `employee\_personal`;

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

SET character\_set\_client = utf8mb4 ;

CREATE TABLE `employee\_personal` (

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

`first\_name` varchar(45) NOT NULL,

`last\_name` varchar(45) NOT NULL,

`contact\_no` varchar(20) NOT NULL,

`email\_id` varchar(45) DEFAULT NULL,

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

`address\_line1` varchar(45) NOT NULL,

`address\_line2` varchar(45) DEFAULT NULL,

`city` varchar(45) NOT NULL,

`state` varchar(45) NOT NULL,

`zipcode` varchar(45) NOT NULL,

`country` varchar(45) NOT NULL,

PRIMARY KEY (`employee\_id`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

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

--

-- Dumping data for table `employee\_personal`

--

LOCK TABLES `employee\_personal` WRITE;

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

INSERT INTO `employee\_personal` VALUES (100,'Katie','Smith','8574125036','123@gmail.com','MA12345','40, Main Road',NULL,'Townsville','State12','123456','USA'),(101,'Jenny','Jones','5748967875','jones@gmail.com','MA14876','22, Winding Road',NULL,'Big Town','State45','547857','USA'),(102,'Daisy','Moore','8527414569','Daisy@hotmail.com','TX25478','77, abc road','Apt 6','Small Village','State36','895748','USA'),(200,'Bob','Robson','8574126987','456@gmail.com','CA24578','12, Little Street',NULL,'Big City','Small State','254879','USA'),(300,'Sandra','Jakes','9875879654','sandra@her\_mail.com','TX45874','25, Village Main',NULL,'Windy Village','Golden State','254785','USA'),(301,'John','Jones','8745896857','jj@jonesmail.org','MA15568','32, Main Road',NULL,'Townsville','Distant State','245875','USA'),(400,'Steve','Gee','2547898547','steve@gee.com','CA36598','45, Happy Lane',NULL,'Big Apple City','New State','478578','USA'),(401,'Nick','White','5787458796','white@house.com','NJ54875','3, Tiny Terrace','Apt 8','Big City','Small State','874589','USA');

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

UNLOCK TABLES;

--

-- Table structure for table `employee\_professional`

--

DROP TABLE IF EXISTS `employee\_professional`;

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

SET character\_set\_client = utf8mb4 ;

CREATE TABLE `employee\_professional` (

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

`hire\_date` date NOT NULL,

`salary(per month)` float NOT NULL,

`designation` varchar(45) NOT NULL,

PRIMARY KEY (`employee\_id`),

CONSTRAINT `FK\_employee\_id` FOREIGN KEY (`employee\_id`) REFERENCES `employee\_personal` (`employee\_id`) ON UPDATE CASCADE

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

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

--

-- Dumping data for table `employee\_professional`

--

LOCK TABLES `employee\_professional` WRITE;

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

INSERT INTO `employee\_professional` VALUES (100,'2018-02-16',1000,'Cook'),(101,'2016-04-23',1000,'Cook'),(102,'2016-05-30',1000,'Cook'),(200,'2015-05-22',3700,'Manager'),(300,'2016-08-04',700,'Server'),(301,'2017-06-29',700,'Server'),(400,'2017-06-24',1000,'Cashier'),(401,'2016-12-03',1000,'Cashier');

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

UNLOCK TABLES;

--

-- Table structure for table `ingred\_supplies`

--

DROP TABLE IF EXISTS `ingred\_supplies`;

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

SET character\_set\_client = utf8mb4 ;

CREATE TABLE `ingred\_supplies` (

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

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

`supplies\_at\_price` decimal(10,0) NOT NULL,

`min\_quantity\_supplied` decimal(10,0) NOT NULL,

PRIMARY KEY (`ingred\_id`,`supplier\_id`),

KEY `FK\_ingred\_supplier\_id\_idx` (`supplier\_id`),

CONSTRAINT `FK\_ingred\_supplier\_id` FOREIGN KEY (`supplier\_id`) REFERENCES `supplier\_list` (`supplier\_id`),

CONSTRAINT `FK\_supp\_ingred\_id` FOREIGN KEY (`ingred\_id`) REFERENCES `ingredients` (`ingred\_id`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

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

--

-- Dumping data for table `ingred\_supplies`

--

LOCK TABLES `ingred\_supplies` WRITE;

/\*!40000 ALTER TABLE `ingred\_supplies` DISABLE KEYS \*/;

INSERT INTO `ingred\_supplies` VALUES (1,1,18,100),(1,2,20,100),(2,1,4,5);

/\*!40000 ALTER TABLE `ingred\_supplies` ENABLE KEYS \*/;

UNLOCK TABLES;

--

-- Table structure for table `ingredients`

--

DROP TABLE IF EXISTS `ingredients`;

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

SET character\_set\_client = utf8mb4 ;

CREATE TABLE `ingredients` (

`ingred\_id` int(11) NOT NULL AUTO\_INCREMENT,

`ingred\_name` varchar(45) NOT NULL,

`ingred\_threshold` decimal(10,0) NOT NULL,

`current\_inventory\_level` decimal(10,0) DEFAULT NULL,

`ingred\_cost` decimal(10,0) NOT NULL,

`unit\_of\_measure` varchar(45) DEFAULT NULL,

PRIMARY KEY (`ingred\_id`)

) ENGINE=InnoDB AUTO\_INCREMENT=5 DEFAULT CHARSET=utf8;

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

--

-- Dumping data for table `ingredients`

--

LOCK TABLES `ingredients` WRITE;

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

INSERT INTO `ingredients` VALUES (1,'peas',100,150,20,'boxes'),(2,'lemons',10,8,10,'pounds'),(3,'veg patty',300,350,10,'pieces'),(4,'ketchup',500,550,10,'sachets');

/\*!40000 ALTER TABLE `ingredients` 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 `manager\_alert` BEFORE UPDATE ON `ingredients` FOR EACH ROW begin

if NEW.current\_inventory\_level<OLD.ingred\_threshold then

insert into manager\_action\_table (from\_table, alert\_comment) values ('ingredients','quantity below threshold levels. Please check.');

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 `kitchen\_copy`

--

DROP TABLE IF EXISTS `kitchen\_copy`;

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

SET character\_set\_client = utf8mb4 ;

CREATE TABLE `kitchen\_copy` (

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

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

`quantity` int(11) NOT NULL DEFAULT '0',

`status` varchar(45) NOT NULL DEFAULT 'Initial',

PRIMARY KEY (`order\_id`,`menu\_id`),

KEY `FK\_kitchen\_status\_idx` (`status`),

KEY `FK\_kitchen\_menu\_id\_idx` (`menu\_id`),

CONSTRAINT `FK\_kitchen\_menu\_id` FOREIGN KEY (`menu\_id`) REFERENCES `order\_menu` (`menu\_id`),

CONSTRAINT `FK\_kitchen\_order\_id` FOREIGN KEY (`order\_id`) REFERENCES `order\_menu` (`order\_id`),

CONSTRAINT `FK\_kitchen\_status` FOREIGN KEY (`status`) REFERENCES `status` (`status\_name`) ON UPDATE CASCADE

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

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

--

-- Dumping data for table `kitchen\_copy`

--

LOCK TABLES `kitchen\_copy` WRITE;

/\*!40000 ALTER TABLE `kitchen\_copy` DISABLE KEYS \*/;

INSERT INTO `kitchen\_copy` VALUES (3,5,1,'Initial');

/\*!40000 ALTER TABLE `kitchen\_copy` ENABLE KEYS \*/;

UNLOCK TABLES;

--

-- Table structure for table `manager\_action\_table`

--

DROP TABLE IF EXISTS `manager\_action\_table`;

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

SET character\_set\_client = utf8mb4 ;

CREATE TABLE `manager\_action\_table` (

`alert\_id` int(11) NOT NULL AUTO\_INCREMENT,

`from\_table` varchar(45) NOT NULL,

`alert\_comment` varchar(200) NOT NULL,

PRIMARY KEY (`alert\_id`)

) ENGINE=InnoDB AUTO\_INCREMENT=2 DEFAULT CHARSET=utf8;

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

--

-- Dumping data for table `manager\_action\_table`

--

LOCK TABLES `manager\_action\_table` WRITE;

/\*!40000 ALTER TABLE `manager\_action\_table` DISABLE KEYS \*/;

INSERT INTO `manager\_action\_table` VALUES (1,'ingredients','quantity below threshold levels. Please check.');

/\*!40000 ALTER TABLE `manager\_action\_table` ENABLE KEYS \*/;

UNLOCK TABLES;

--

-- Table structure for table `menu\_category`

--

DROP TABLE IF EXISTS `menu\_category`;

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

SET character\_set\_client = utf8mb4 ;

CREATE TABLE `menu\_category` (

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

`cat\_name` varchar(45) NOT NULL,

PRIMARY KEY (`cat\_id`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

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

--

-- Dumping data for table `menu\_category`

--

LOCK TABLES `menu\_category` WRITE;

/\*!40000 ALTER TABLE `menu\_category` DISABLE KEYS \*/;

INSERT INTO `menu\_category` VALUES (1,'burgers'),(2,'fries'),(3,'sides'),(4,'beverages'),(5,'dessert');

/\*!40000 ALTER TABLE `menu\_category` ENABLE KEYS \*/;

UNLOCK TABLES;

--

-- Table structure for table `menu\_ingred`

--

DROP TABLE IF EXISTS `menu\_ingred`;

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

SET character\_set\_client = utf8mb4 ;

CREATE TABLE `menu\_ingred` (

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

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

`qty\_used\_per\_menu\_item` int(11) NOT NULL,

PRIMARY KEY (`menu\_id`,`ingred\_id`),

KEY `FK\_ingred\_id\_idx` (`ingred\_id`),

CONSTRAINT `FK\_ingred\_id` FOREIGN KEY (`ingred\_id`) REFERENCES `ingredients` (`ingred\_id`),

CONSTRAINT `FK\_menu\_item\_id` FOREIGN KEY (`menu\_id`) REFERENCES `menu\_item` (`menu\_id`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

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

--

-- Dumping data for table `menu\_ingred`

--

LOCK TABLES `menu\_ingred` WRITE;

/\*!40000 ALTER TABLE `menu\_ingred` DISABLE KEYS \*/;

INSERT INTO `menu\_ingred` VALUES (1,1,1),(1,3,1),(1,4,1),(2,1,1),(2,2,2),(2,4,1);

/\*!40000 ALTER TABLE `menu\_ingred` ENABLE KEYS \*/;

UNLOCK TABLES;

--

-- Table structure for table `menu\_item`

--

DROP TABLE IF EXISTS `menu\_item`;

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

SET character\_set\_client = utf8mb4 ;

CREATE TABLE `menu\_item` (

`menu\_id` int(11) NOT NULL AUTO\_INCREMENT,

`name` varchar(45) NOT NULL,

`description` varchar(45) NOT NULL,

`price` float NOT NULL,

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

PRIMARY KEY (`menu\_id`),

KEY `FK\_category\_id\_idx` (`category\_id`),

CONSTRAINT `FK\_category\_id` FOREIGN KEY (`category\_id`) REFERENCES `menu\_category` (`cat\_id`) ON UPDATE CASCADE

) ENGINE=InnoDB AUTO\_INCREMENT=10 DEFAULT CHARSET=utf8;

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

--

-- Dumping data for table `menu\_item`

--

LOCK TABLES `menu\_item` WRITE;

/\*!40000 ALTER TABLE `menu\_item` DISABLE KEYS \*/;

INSERT INTO `menu\_item` VALUES (1,'veg burger','totally veg',4,1),(2,'chicken burger','contains non vegetarian elements',6,1),(3,'fries','totally veg',4,2),(4,'garlic bread','vegatarian',3,3),(5,'cheese sticks','mozzarella filling',6,3),(6,'cocacola','beverage',2,4),(7,'pastry','lots of calories!',5,5);

/\*!40000 ALTER TABLE `menu\_item` ENABLE KEYS \*/;

UNLOCK TABLES;

--

-- Table structure for table `order\_menu`

--

DROP TABLE IF EXISTS `order\_menu`;

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

SET character\_set\_client = utf8mb4 ;

CREATE TABLE `order\_menu` (

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

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

`quantity` int(11) NOT NULL,

PRIMARY KEY (`order\_id`,`menu\_id`),

KEY `FK\_menu\_id\_idx` (`menu\_id`),

CONSTRAINT `FK\_menu\_id` FOREIGN KEY (`menu\_id`) REFERENCES `menu\_item` (`menu\_id`),

CONSTRAINT `FK\_order\_id` FOREIGN KEY (`order\_id`) REFERENCES `orders` (`order\_id`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

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

--

-- Dumping data for table `order\_menu`

--

LOCK TABLES `order\_menu` WRITE;

/\*!40000 ALTER TABLE `order\_menu` DISABLE KEYS \*/;

INSERT INTO `order\_menu` VALUES (1,1,1),(1,2,1),(1,6,2),(2,3,2),(2,4,1),(2,6,2),(3,5,1);

/\*!40000 ALTER TABLE `order\_menu` 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 `popolate\_kitchen\_copy` AFTER INSERT ON `order\_menu` FOR EACH ROW begin

insert into kitchen\_copy (order\_id, menu\_id, quantity) values (NEW.order\_id, NEW.menu\_id, NEW.quantity);

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 `orders`

--

DROP TABLE IF EXISTS `orders`;

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

SET character\_set\_client = utf8mb4 ;

CREATE TABLE `orders` (

`order\_id` int(11) NOT NULL AUTO\_INCREMENT,

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

`invoice\_number` int(11) NOT NULL DEFAULT '100',

`in\_time` timestamp NOT NULL DEFAULT CURRENT\_TIMESTAMP,

`expected\_out\_time` timestamp NULL DEFAULT NULL,

PRIMARY KEY (`order\_id`),

UNIQUE KEY `invoice\_number` (`invoice\_number`),

KEY `FK\_cashier\_id\_idx` (`cashier\_id`),

CONSTRAINT `FK\_cashier\_id` FOREIGN KEY (`cashier\_id`) REFERENCES `employee\_professional` (`employee\_id`)

) ENGINE=InnoDB AUTO\_INCREMENT=9 DEFAULT CHARSET=utf8;

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

--

-- Dumping data for table `orders`

--

LOCK TABLES `orders` WRITE;

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

INSERT INTO `orders` VALUES (1,400,105,'2018-12-13 06:48:00','2018-12-13 07:18:00.00'),(2,400,102,'2018-12-13 05:48:00','2018-12-13 06:18:00.00'),(3,401,100,'2018-12-13 05:48:00','2018-12-13 06:18:00.00'),(4,400,4,'2018-12-13 05:48:00','2018-12-13 06:18:00.00'),(5,400,101,'2018-12-13 05:48:00','2018-12-13 06:18:00.00'),(6,400,103,'2018-12-13 05:59:00','2018-12-13 06:29:00.00'),(7,400,104,'2018-12-13 05:59:00','2018-12-13 06:29:00.00'),(8,401,106,'2018-12-13 09:13:56','2018-12-13 09:43:56.00');

/\*!40000 ALTER TABLE `orders` 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 `invoice\_id\_generator` BEFORE INSERT ON `orders` FOR EACH ROW begin

set new.invoice\_number=(select max(invoice\_number) + 1 from orders);

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 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 `out\_time\_generator` BEFORE INSERT ON `orders` FOR EACH ROW begin

set new.expected\_out\_time=(select adddate(NEW.in\_time, interval 30 minute));

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 `rating`

--

DROP TABLE IF EXISTS `rating`;

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

SET character\_set\_client = utf8mb4 ;

CREATE TABLE `rating` (

`rating` varchar(20) NOT NULL,

PRIMARY KEY (`rating`),

UNIQUE KEY `rating\_UNIQUE` (`rating`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

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

--

-- Dumping data for table `rating`

--

LOCK TABLES `rating` WRITE;

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

INSERT INTO `rating` VALUES ('average'),('good'),('poor'),('recommend');

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

UNLOCK TABLES;

--

-- Table structure for table `status`

--

DROP TABLE IF EXISTS `status`;

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

SET character\_set\_client = utf8mb4 ;

CREATE TABLE `status` (

`status\_name` varchar(20) NOT NULL,

PRIMARY KEY (`status\_name`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

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

--

-- Dumping data for table `status`

--

LOCK TABLES `status` WRITE;

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

INSERT INTO `status` VALUES ('Complete'),('Delivered'),('In progress'),('Initial');

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

UNLOCK TABLES;

--

-- Table structure for table `supplier\_list`

--

DROP TABLE IF EXISTS `supplier\_list`;

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

SET character\_set\_client = utf8mb4 ;

CREATE TABLE `supplier\_list` (

`supplier\_id` int(11) NOT NULL AUTO\_INCREMENT,

`supplier\_name` varchar(45) NOT NULL,

`supplier\_email` varchar(45) DEFAULT NULL,

`supplier\_contact\_no` varchar(45) NOT NULL,

`address\_line1` varchar(45) NOT NULL,

`address\_line2` varchar(45) DEFAULT NULL,

`city` varchar(45) NOT NULL,

`state` varchar(45) NOT NULL,

`zipcode` varchar(45) NOT NULL,

`country` varchar(45) NOT NULL,

PRIMARY KEY (`supplier\_id`)

) ENGINE=InnoDB AUTO\_INCREMENT=3 DEFAULT CHARSET=utf8;

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

--

-- Dumping data for table `supplier\_list`

--

LOCK TABLES `supplier\_list` WRITE;

/\*!40000 ALTER TABLE `supplier\_list` DISABLE KEYS \*/;

INSERT INTO `supplier\_list` VALUES (1,'Bright Brothers','bright@gmail.com','2587459865','09, Kite Lane',NULL,'Boston','MA','245875','USA'),(2,'Spice Kings','king@hotmail.com','9874563248','34, Lengthy Lane','Apt 6','Malden','MA','658749','USA');

/\*!40000 ALTER TABLE `supplier\_list` ENABLE KEYS \*/;

UNLOCK TABLES;

--

-- Temporary view structure for view `total\_per\_customer\_id`

--

DROP TABLE IF EXISTS `total\_per\_customer\_id`;

/\*!50001 DROP VIEW IF EXISTS `total\_per\_customer\_id`\*/;

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

SET character\_set\_client = utf8mb4;

/\*!50001 CREATE VIEW `total\_per\_customer\_id` AS SELECT

1 AS `customer\_id`,

1 AS `Each customer spends '$'`\*/;

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

--

-- Temporary view structure for view `total\_per\_order\_id`

--

DROP TABLE IF EXISTS `total\_per\_order\_id`;

/\*!50001 DROP VIEW IF EXISTS `total\_per\_order\_id`\*/;

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

SET character\_set\_client = utf8mb4;

/\*!50001 CREATE VIEW `total\_per\_order\_id` AS SELECT

1 AS `order\_id`,

1 AS `Total Amount per Order\_id`,

1 AS `cashier\_id`,

1 AS `in\_time`\*/;

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

--

-- Dumping events for database 'dmdd\_project\_garima'

--

--

-- Dumping routines for database 'dmdd\_project\_garima'

--

--

-- Final view structure for view `total\_per\_customer\_id`

--

/\*!50001 DROP VIEW IF EXISTS `total\_per\_customer\_id`\*/;

/\*!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 `total\_per\_customer\_id` AS select `customer\_orders`.`customer\_id` AS `customer\_id`,sum((`order\_menu`.`quantity` \* `menu\_item`.`price`)) AS `Each customer spends '$'` from (((`order\_menu` join `orders` on((`order\_menu`.`order\_id` = `orders`.`order\_id`))) join `menu\_item` on((`order\_menu`.`menu\_id` = `menu\_item`.`menu\_id`))) join `customer\_orders` on((`customer\_orders`.`order\_id` = `orders`.`order\_id`))) group by `customer\_orders`.`customer\_id` \*/;

/\*!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 `total\_per\_order\_id`

--

/\*!50001 DROP VIEW IF EXISTS `total\_per\_order\_id`\*/;

/\*!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 `total\_per\_order\_id` AS select `order\_menu`.`order\_id` AS `order\_id`,sum((`order\_menu`.`quantity` \* `menu\_item`.`price`)) AS `Total Amount per Order\_id`,`orders`.`cashier\_id` AS `cashier\_id`,`orders`.`in\_time` AS `in\_time` from ((`order\_menu` join `orders` on((`order\_menu`.`order\_id` = `orders`.`order\_id`))) join `menu\_item` on((`order\_menu`.`menu\_id` = `menu\_item`.`menu\_id`))) group by `order\_menu`.`order\_id` \*/;

/\*!50001 SET character\_set\_client = @saved\_cs\_client \*/;

/\*!50001 SET character\_set\_results = @saved\_cs\_results \*/;

/\*!50001 SET collation\_connection = @saved\_col\_connection \*/;

/\*!40103 SET TIME\_ZONE=@OLD\_TIME\_ZONE \*/;

/\*!40101 SET SQL\_MODE=@OLD\_SQL\_MODE \*/;

/\*!40014 SET FOREIGN\_KEY\_CHECKS=@OLD\_FOREIGN\_KEY\_CHECKS \*/;

/\*!40014 SET UNIQUE\_CHECKS=@OLD\_UNIQUE\_CHECKS \*/;

/\*!40101 SET CHARACTER\_SET\_CLIENT=@OLD\_CHARACTER\_SET\_CLIENT \*/;

/\*!40101 SET CHARACTER\_SET\_RESULTS=@OLD\_CHARACTER\_SET\_RESULTS \*/;

/\*!40101 SET COLLATION\_CONNECTION=@OLD\_COLLATION\_CONNECTION \*/;

/\*!40111 SET SQL\_NOTES=@OLD\_SQL\_NOTES \*/;

-- Dump completed on 2018-12-13 9:59:02