DROP DATABASE IF EXISTS `sql\_invoicing`;

CREATE DATABASE `sql\_invoicing`;

USE `sql\_invoicing`;

SET NAMES utf8 ;

SET character\_set\_client = utf8mb4 ;

CREATE TABLE `payment\_methods` (

`payment\_method\_id` tinyint(4) NOT NULL AUTO\_INCREMENT,

`name` varchar(50) NOT NULL,

PRIMARY KEY (`payment\_method\_id`)

);

INSERT INTO `payment\_methods` VALUES (1,'Credit Card');

INSERT INTO `payment\_methods` VALUES (2,'Cash');

INSERT INTO `payment\_methods` VALUES (3,'PayPal');

INSERT INTO `payment\_methods` VALUES (4,'Wire Transfer');

CREATE TABLE `clients` (

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

`name` varchar(50) NOT NULL,

`address` varchar(50) NOT NULL,

`city` varchar(50) NOT NULL,

`state` char(2) NOT NULL,

`phone` varchar(50) DEFAULT NULL,

PRIMARY KEY (`client\_id`)

);

INSERT INTO `clients` VALUES (1,'Vinte','3 Nevada Parkway','Syracuse','NY','315-252-7305');

INSERT INTO `clients` VALUES (2,'Myworks','34267 Glendale Parkway','Huntington','WV','304-659-1170');

INSERT INTO `clients` VALUES (3,'Yadel','096 Pawling Parkway','San Francisco','CA','415-144-6037');

INSERT INTO `clients` VALUES (4,'Kwideo','81674 Westerfield Circle','Waco','TX','254-750-0784');

INSERT INTO `clients` VALUES (5,'Topiclounge','0863 Farmco Road','Portland','OR','971-888-9129');

CREATE TABLE `invoices` (

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

`number` varchar(50) NOT NULL,

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

`invoice\_total` decimal(9,2) NOT NULL,

`payment\_total` decimal(9,2) NOT NULL DEFAULT '0.00',

`invoice\_date` date NOT NULL,

`due\_date` date NOT NULL,

`payment\_date` date DEFAULT NULL,

PRIMARY KEY (`invoice\_id`),

KEY `FK\_client\_id` (`client\_id`),

CONSTRAINT `FK\_client\_id` FOREIGN KEY (`client\_id`) REFERENCES `clients` (`client\_id`) ON DELETE RESTRICT ON UPDATE CASCADE

) ;

INSERT INTO `invoices` VALUES (1,'91-953-3396',2,101.79,0.00,'2019-03-09','2019-03-29',NULL);

INSERT INTO `invoices` VALUES (2,'03-898-6735',5,175.32,8.18,'2019-06-11','2019-07-01','2019-02-12');

INSERT INTO `invoices` VALUES (3,'20-228-0335',5,147.99,0.00,'2019-07-31','2019-08-20',NULL);

INSERT INTO `invoices` VALUES (4,'56-934-0748',3,152.21,0.00,'2019-03-08','2019-03-28',NULL);

INSERT INTO `invoices` VALUES (5,'87-052-3121',5,169.36,0.00,'2019-07-18','2019-08-07',NULL);

INSERT INTO `invoices` VALUES (6,'75-587-6626',1,157.78,74.55,'2019-01-29','2019-02-18','2019-01-03');

INSERT INTO `invoices` VALUES (7,'68-093-9863',3,133.87,0.00,'2019-09-04','2019-09-24',NULL);

INSERT INTO `invoices` VALUES (8,'78-145-1093',1,189.12,0.00,'2019-05-20','2019-06-09',NULL);

INSERT INTO `invoices` VALUES (9,'77-593-0081',5,172.17,0.00,'2019-07-09','2019-07-29',NULL);

INSERT INTO `invoices` VALUES (10,'48-266-1517',1,159.50,0.00,'2019-06-30','2019-07-20',NULL);

INSERT INTO `invoices` VALUES (11,'20-848-0181',3,126.15,0.03,'2019-01-07','2019-01-27','2019-01-11');

INSERT INTO `invoices` VALUES (13,'41-666-1035',5,135.01,87.44,'2019-06-25','2019-07-15','2019-01-26');

INSERT INTO `invoices` VALUES (15,'55-105-9605',3,167.29,80.31,'2019-11-25','2019-12-15','2019-01-15');

INSERT INTO `invoices` VALUES (16,'10-451-8824',1,162.02,0.00,'2019-03-30','2019-04-19',NULL);

INSERT INTO `invoices` VALUES (17,'33-615-4694',3,126.38,68.10,'2019-07-30','2019-08-19','2019-01-15');

INSERT INTO `invoices` VALUES (18,'52-269-9803',5,180.17,42.77,'2019-05-23','2019-06-12','2019-01-08');

INSERT INTO `invoices` VALUES (19,'83-559-4105',1,134.47,0.00,'2019-11-23','2019-12-13',NULL);

CREATE TABLE `payments` (

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

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

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

`date` date NOT NULL,

`amount` decimal(9,2) NOT NULL,

`payment\_method` tinyint(4) NOT NULL,

PRIMARY KEY (`payment\_id`),

KEY `fk\_client\_id\_idx` (`client\_id`),

KEY `fk\_invoice\_id\_idx` (`invoice\_id`),

KEY `fk\_payment\_payment\_method\_idx` (`payment\_method`),

CONSTRAINT `fk\_payment\_client` FOREIGN KEY (`client\_id`) REFERENCES `clients` (`client\_id`) ON UPDATE CASCADE,

CONSTRAINT `fk\_payment\_invoice` FOREIGN KEY (`invoice\_id`) REFERENCES `invoices` (`invoice\_id`) ON UPDATE CASCADE,

CONSTRAINT `fk\_payment\_payment\_method` FOREIGN KEY (`payment\_method`) REFERENCES `payment\_methods` (`payment\_method\_id`)

) ;

INSERT INTO `payments` VALUES (1,5,2,'2019-02-12',8.18,1);

INSERT INTO `payments` VALUES (2,1,6,'2019-01-03',74.55,1);

INSERT INTO `payments` VALUES (3,3,11,'2019-01-11',0.03,1);

INSERT INTO `payments` VALUES (4,5,13,'2019-01-26',87.44,1);

INSERT INTO `payments` VALUES (5,3,15,'2019-01-15',80.31,1);

INSERT INTO `payments` VALUES (6,3,17,'2019-01-15',68.10,1);

INSERT INTO `payments` VALUES (7,5,18,'2019-01-08',32.77,1);

INSERT INTO `payments` VALUES (8,5,18,'2019-01-08',10.00,2);

DROP DATABASE IF EXISTS `sql\_store`;

CREATE DATABASE `sql\_store`;

USE `sql\_store`;

CREATE TABLE `products` (

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

`name` varchar(50) NOT NULL,

`quantity\_in\_stock` int(11) NOT NULL,

`unit\_price` decimal(4,2) NOT NULL,

PRIMARY KEY (`product\_id`)

);

INSERT INTO `products` VALUES (1,'Foam Dinner Plate',70,1.21);

INSERT INTO `products` VALUES (2,'Pork - Bacon,back Peameal',49,4.65);

INSERT INTO `products` VALUES (3,'Lettuce - Romaine, Heart',38,3.35);

INSERT INTO `products` VALUES (4,'Brocolinni - Gaylan, Chinese',90,4.53);

INSERT INTO `products` VALUES (5,'Sauce - Ranch Dressing',94,1.63);

INSERT INTO `products` VALUES (6,'Petit Baguette',14,2.39);

INSERT INTO `products` VALUES (7,'Sweet Pea Sprouts',98,3.29);

INSERT INTO `products` VALUES (8,'Island Oasis - Raspberry',26,0.74);

INSERT INTO `products` VALUES (9,'Longan',67,2.26);

INSERT INTO `products` VALUES (10,'Broom - Push',6,1.09);

CREATE TABLE `shippers` (

`shipper\_id` smallint(6) NOT NULL AUTO\_INCREMENT,

`name` varchar(50) NOT NULL,

PRIMARY KEY (`shipper\_id`)

);

INSERT INTO `shippers` VALUES (1,'Hettinger LLC');

INSERT INTO `shippers` VALUES (2,'Schinner-Predovic');

INSERT INTO `shippers` VALUES (3,'Satterfield LLC');

INSERT INTO `shippers` VALUES (4,'Mraz, Renner and Nolan');

INSERT INTO `shippers` VALUES (5,'Waters, Mayert and Prohaska');

CREATE TABLE `customers` (

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

`first\_name` varchar(50) NOT NULL,

`last\_name` varchar(50) NOT NULL,

`birth\_date` date DEFAULT NULL,

`phone` varchar(50) DEFAULT NULL,

`address` varchar(50) NOT NULL,

`city` varchar(50) NOT NULL,

`state` char(2) NOT NULL,

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

PRIMARY KEY (`customer\_id`)

);

INSERT INTO `customers` VALUES (1,'Babara','MacCaffrey','1986-03-28','781-932-9754','0 Sage Terrace','Waltham','MA',2273);

INSERT INTO `customers` VALUES (2,'Ines','Brushfield','1986-04-13','804-427-9456','14187 Commercial Trail','Hampton','VA',947);

INSERT INTO `customers` VALUES (3,'Freddi','Boagey','1985-02-07','719-724-7869','251 Springs Junction','Colorado Springs','CO',2967);

INSERT INTO `customers` VALUES (4,'Ambur','Roseburgh','1974-04-14','407-231-8017','30 Arapahoe Terrace','Orlando','FL',457);

INSERT INTO `customers` VALUES (5,'Clemmie','Betchley','1973-11-07',NULL,'5 Spohn Circle','Arlington','TX',3675);

INSERT INTO `customers` VALUES (6,'Elka','Twiddell','1991-09-04','312-480-8498','7 Manley Drive','Chicago','IL',3073);

INSERT INTO `customers` VALUES (7,'Ilene','Dowson','1964-08-30','615-641-4759','50 Lillian Crossing','Nashville','TN',1672);

INSERT INTO `customers` VALUES (8,'Thacher','Naseby','1993-07-17','941-527-3977','538 Mosinee Center','Sarasota','FL',205);

INSERT INTO `customers` VALUES (9,'Romola','Rumgay','1992-05-23','559-181-3744','3520 Ohio Trail','Visalia','CA',1486);

INSERT INTO `customers` VALUES (10,'Levy','Mynett','1969-10-13','404-246-3370','68 Lawn Avenue','Atlanta','GA',796);

CREATE TABLE `order\_statuses` (

`order\_status\_id` tinyint(4) NOT NULL,

`name` varchar(50) NOT NULL,

PRIMARY KEY (`order\_status\_id`)

);

INSERT INTO `order\_statuses` VALUES (1,'Processed');

INSERT INTO `order\_statuses` VALUES (2,'Shipped');

INSERT INTO `order\_statuses` VALUES (3,'Delivered');

CREATE TABLE `orders` (

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

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

`order\_date` date NOT NULL,

`status` tinyint(4) NOT NULL DEFAULT '1',

`comments` varchar(2000) DEFAULT NULL,

`shipped\_date` date DEFAULT NULL,

`shipper\_id` smallint(6) DEFAULT NULL,

PRIMARY KEY (`order\_id`),

KEY `fk\_orders\_customers\_idx` (`customer\_id`),

KEY `fk\_orders\_shippers\_idx` (`shipper\_id`),

KEY `fk\_orders\_order\_statuses\_idx` (`status`),

CONSTRAINT `fk\_orders\_customers` FOREIGN KEY (`customer\_id`) REFERENCES `customers` (`customer\_id`) ON UPDATE CASCADE,

CONSTRAINT `fk\_orders\_order\_statuses` FOREIGN KEY (`status`) REFERENCES `order\_statuses` (`order\_status\_id`) ON UPDATE CASCADE,

CONSTRAINT `fk\_orders\_shippers` FOREIGN KEY (`shipper\_id`) REFERENCES `shippers` (`shipper\_id`) ON UPDATE CASCADE

);

INSERT INTO `orders` VALUES (1,6,'2019-01-30',1,NULL,NULL,NULL);

INSERT INTO `orders` VALUES (2,7,'2018-08-02',2,NULL,'2018-08-03',4);

INSERT INTO `orders` VALUES (3,8,'2017-12-01',1,NULL,NULL,NULL);

INSERT INTO `orders` VALUES (4,2,'2017-01-22',1,NULL,NULL,NULL);

INSERT INTO `orders` VALUES (5,5,'2017-08-25',2,'','2017-08-26',3);

INSERT INTO `orders` VALUES (6,10,'2018-11-18',1,'Aliquam erat volutpat. In congue.',NULL,NULL);

INSERT INTO `orders` VALUES (7,2,'2018-09-22',2,NULL,'2018-09-23',4);

INSERT INTO `orders` VALUES (8,5,'2018-06-08',1,'Mauris enim leo, rhoncus sed, vestibulum sit amet, cursus id, turpis.',NULL,NULL);

INSERT INTO `orders` VALUES (9,10,'2017-07-05',2,'Nulla mollis molestie lorem. Quisque ut erat.','2017-07-06',1);

INSERT INTO `orders` VALUES (10,6,'2018-04-22',2,NULL,'2018-04-23',2);

CREATE TABLE `order\_items` (

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

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

`quantity` int(11) NOT NULL,

`unit\_price` decimal(4,2) NOT NULL,

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

KEY `fk\_order\_items\_products\_idx` (`product\_id`),

CONSTRAINT `fk\_order\_items\_orders` FOREIGN KEY (`order\_id`) REFERENCES `orders` (`order\_id`) ON UPDATE CASCADE,

CONSTRAINT `fk\_order\_items\_products` FOREIGN KEY (`product\_id`) REFERENCES `products` (`product\_id`) ON UPDATE CASCADE

);

INSERT INTO `order\_items` VALUES (1,4,4,3.74);

INSERT INTO `order\_items` VALUES (2,1,2,9.10);

INSERT INTO `order\_items` VALUES (2,4,4,1.66);

INSERT INTO `order\_items` VALUES (2,6,2,2.94);

INSERT INTO `order\_items` VALUES (3,3,10,9.12);

INSERT INTO `order\_items` VALUES (4,3,7,6.99);

INSERT INTO `order\_items` VALUES (4,10,7,6.40);

INSERT INTO `order\_items` VALUES (5,2,3,9.89);

INSERT INTO `order\_items` VALUES (6,1,4,8.65);

INSERT INTO `order\_items` VALUES (6,2,4,3.28);

INSERT INTO `order\_items` VALUES (6,3,4,7.46);

INSERT INTO `order\_items` VALUES (6,5,1,3.45);

INSERT INTO `order\_items` VALUES (7,3,7,9.17);

INSERT INTO `order\_items` VALUES (8,5,2,6.94);

INSERT INTO `order\_items` VALUES (8,8,2,8.59);

INSERT INTO `order\_items` VALUES (9,6,5,7.28);

INSERT INTO `order\_items` VALUES (10,1,10,6.01);

INSERT INTO `order\_items` VALUES (10,9,9,4.28);

CREATE TABLE `sql\_store`.`order\_item\_notes` (

`note\_id` INT NOT NULL,

`order\_Id` INT NOT NULL,

`product\_id` INT NOT NULL,

`note` VARCHAR(255) NOT NULL,

PRIMARY KEY (`note\_id`));

INSERT INTO `order\_item\_notes` (`note\_id`, `order\_Id`, `product\_id`, `note`) VALUES ('1', '1', '2', 'first note');

INSERT INTO `order\_item\_notes` (`note\_id`, `order\_Id`, `product\_id`, `note`) VALUES ('2', '1', '2', 'second note');

DROP DATABASE IF EXISTS `sql\_hr`;

CREATE DATABASE `sql\_hr`;

USE `sql\_hr`;

CREATE TABLE `offices` (

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

`address` varchar(50) NOT NULL,

`city` varchar(50) NOT NULL,

`state` varchar(50) NOT NULL,

PRIMARY KEY (`office\_id`)

);

INSERT INTO `offices` VALUES (1,'03 Reinke Trail','Cincinnati','OH');

INSERT INTO `offices` VALUES (2,'5507 Becker Terrace','New York City','NY');

INSERT INTO `offices` VALUES (3,'54 Northland Court','Richmond','VA');

INSERT INTO `offices` VALUES (4,'08 South Crossing','Cincinnati','OH');

INSERT INTO `offices` VALUES (5,'553 Maple Drive','Minneapolis','MN');

INSERT INTO `offices` VALUES (6,'23 North Plaza','Aurora','CO');

INSERT INTO `offices` VALUES (7,'9658 Wayridge Court','Boise','ID');

INSERT INTO `offices` VALUES (8,'9 Grayhawk Trail','New York City','NY');

INSERT INTO `offices` VALUES (9,'16862 Westend Hill','Knoxville','TN');

INSERT INTO `offices` VALUES (10,'4 Bluestem Parkway','Savannah','GA');

CREATE TABLE `employees` (

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

`first\_name` varchar(50) NOT NULL,

`last\_name` varchar(50) NOT NULL,

`job\_title` varchar(50) NOT NULL,

`salary` int(11) NOT NULL,

`reports\_to` int(11) DEFAULT NULL,

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

PRIMARY KEY (`employee\_id`),

KEY `fk\_employees\_offices\_idx` (`office\_id`),

KEY `fk\_employees\_employees\_idx` (`reports\_to`),

CONSTRAINT `fk\_employees\_managers` FOREIGN KEY (`reports\_to`) REFERENCES `employees` (`employee\_id`),

CONSTRAINT `fk\_employees\_offices` FOREIGN KEY (`office\_id`) REFERENCES `offices` (`office\_id`) ON UPDATE CASCADE

);

INSERT INTO `employees` VALUES (37270,'Yovonnda','Magrannell','Executive Secretary',63996,NULL,10);

INSERT INTO `employees` VALUES (33391,'D\'arcy','Nortunen','Account Executive',62871,37270,1);

INSERT INTO `employees` VALUES (37851,'Sayer','Matterson','Statistician III',98926,37270,1);

INSERT INTO `employees` VALUES (40448,'Mindy','Crissil','Staff Scientist',94860,37270,1);

INSERT INTO `employees` VALUES (56274,'Keriann','Alloisi','VP Marketing',110150,37270,1);

INSERT INTO `employees` VALUES (63196,'Alaster','Scutchin','Assistant Professor',32179,37270,2);

INSERT INTO `employees` VALUES (67009,'North','de Clerc','VP Product Management',114257,37270,2);

INSERT INTO `employees` VALUES (67370,'Elladine','Rising','Social Worker',96767,37270,2);

INSERT INTO `employees` VALUES (68249,'Nisse','Voysey','Financial Advisor',52832,37270,2);

INSERT INTO `employees` VALUES (72540,'Guthrey','Iacopetti','Office Assistant I',117690,37270,3);

INSERT INTO `employees` VALUES (72913,'Kass','Hefferan','Computer Systems Analyst IV',96401,37270,3);

INSERT INTO `employees` VALUES (75900,'Virge','Goodrum','Information Systems Manager',54578,37270,3);

INSERT INTO `employees` VALUES (76196,'Mirilla','Janowski','Cost Accountant',119241,37270,3);

INSERT INTO `employees` VALUES (80529,'Lynde','Aronson','Junior Executive',77182,37270,4);

INSERT INTO `employees` VALUES (80679,'Mildrid','Sokale','Geologist II',67987,37270,4);

INSERT INTO `employees` VALUES (84791,'Hazel','Tarbert','General Manager',93760,37270,4);

INSERT INTO `employees` VALUES (95213,'Cole','Kesterton','Pharmacist',86119,37270,4);

INSERT INTO `employees` VALUES (96513,'Theresa','Binney','Food Chemist',47354,37270,5);

INSERT INTO `employees` VALUES (98374,'Estrellita','Daleman','Staff Accountant IV',70187,37270,5);

INSERT INTO `employees` VALUES (115357,'Ivy','Fearey','Structural Engineer',92710,37270,5);

DROP DATABASE IF EXISTS `sql\_inventory`;

CREATE DATABASE `sql\_inventory`;

USE `sql\_inventory`;

CREATE TABLE `products` (

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

`name` varchar(50) NOT NULL,

`quantity\_in\_stock` int(11) NOT NULL,

`unit\_price` decimal(4,2) NOT NULL,

PRIMARY KEY (`product\_id`)

);

INSERT INTO `products` VALUES (1,'Foam Dinner Plate',70,1.21);

INSERT INTO `products` VALUES (2,'Pork - Bacon,back Peameal',49,4.65);

INSERT INTO `products` VALUES (3,'Lettuce - Romaine, Heart',38,3.35);

INSERT INTO `products` VALUES (4,'Brocolinni - Gaylan, Chinese',90,4.53);

INSERT INTO `products` VALUES (5,'Sauce - Ranch Dressing',94,1.63);

INSERT INTO `products` VALUES (6,'Petit Baguette',14,2.39);

INSERT INTO `products` VALUES (7,'Sweet Pea Sprouts',98,3.29);

INSERT INTO `products` VALUES (8,'Island Oasis - Raspberry',26,0.74);

INSERT INTO `products` VALUES (9,'Longan',67,2.26);

INSERT INTO `products` VALUES (10,'Broom - Push',6,1.09);