DROP DATABASE IF EXISTS `sql\_invoicing`;

CREATE DATABASE `sql\_invoicing`;

USE `sql\_invoicing`;

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,'paytm');

CREATE TABLE `clients` (

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

`name` varchar(50) NOT NULL,

`city` varchar(50) NOT NULL,

PRIMARY KEY (`client\_id`)

);

INSERT INTO `clients` VALUES (1,'Vinte','NY');

INSERT INTO `clients` VALUES (2,'Myworks','WV');

INSERT INTO `clients` VALUES (3,'Yadel','San Francisco');

INSERT INTO `clients` VALUES (4,'Kwideo','Waco');

INSERT INTO `clients` VALUES (5,'Topiclounge','Portland');

CREATE TABLE `invoices` (

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

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

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

`invoice\_datpaymentse` date NOT 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 (1,2,101.79,'2019-03-09');

INSERT INTO `invoices` VALUES (2,5,175.32,'2019-06-11');

INSERT INTO `invoices` VALUES (3,5,147.99,'2019-07-31');

INSERT INTO `invoices` VALUES (4,3,152.21,'2019-03-08');

INSERT INTO `invoices` VALUES (5,5,169.36,'2019-07-18');

INSERT INTO `invoices` VALUES (6,1,157.78,'2019-01-29');

INSERT INTO `invoices` VALUES (7,3,133.87,'2019-09-04');

INSERT INTO `invoices` VALUES (8,1,189.12,'2019-05-20');

INSERT INTO `invoices` VALUES (9,5,172.17,'2019-07-09');

INSERT INTO `invoices` VALUES (10,1,159.50,'2019-06-30');

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`),

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

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

CONSTRAINT `fk\_payment\_payment\_method\_id` 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);