retail_sales_ticket
- ticket_num INT
- customer_customerID INT
- sold_by VARCHAR(45)
- delivery_fee VARCHAR(45)
- sales_tax DECIMAL(9,2)
- total DECIMAL(9,2)
- instructions VARCHAR(200)
- Indexes

customer
- customerID INT
- name VARCHAR(45)
- phone1 INT
- phone2 INT
- zip INT
- city VARCHAR(45)
- state VARCHAR(2)
- address1 VARCHAR(45)
- address2 VARCHAR(45)
- referred_by VARCHAR(45)
- service VARCHAR(20)
- notes VARCHAR(128)
- Indexes

sales_ticket_detail
- ticket_num INT
- itemID INT
- quantity INT
- total_price DECIMAL(9,2)
- sales_ticket_detailcol VARCHAR(45)
- Indexes

item
- itemID INT
- description VARCHAR(256)
- unit_price DECIMAL(9,2)
- Indexes

BOL
- shipper_num INT
- customerID INT
- conf_num INT
- invoiceID INT
- order_date DATE
- control VARCHAR(45)
- itemID INT
- 12 more...
- Indexes

order_log
- conf_num INT
- date DATE
- supplier VARCHAR(45)
- 8 more...
- Indexes

order_supplier
- conf_num INT
- supplierID INT
- Indexes

customer_invoice
- invoiceID INT
- customerID INT
- date DATE
- due_now DECIMAL(9,2)
- remitted DECIMAL(9,2)
- total_charge DECIMAL(9,2)
- prior_balance DECIMAL(9,2)
- total_new_charge DECIMAL(9,2)
- taxes DECIMAL(9,2)
- total_credit DECIMAL(9,2)
- total_due DECIMAL(9,2)
- Indexes

livestock_orders
- livestockID INT
- conf_num INT
- Indexes

materials_orders
- materialsID INT
- conf_num INT
- Indexes

supplier
- supplierID INT
- preferred BIT
- category VARCHAR(45)
- name VARCHAR(45)
- address1 VARCHAR(45)
- address2 VARCHAR(45)
- city VARCHAR(45)
- state VARCHAR(32)
- zip INT
- order_phone INT
- contact VARCHAR(45)
- contact_phone INT
- terms VARCHAR(512)
- notes VARCHAR(512)
- Indexes

livestock
- livestockID INT
- name VARCHAR(45)
- description VARCHAR(45)
- quantity INT
- price DECIMAL(9,2)
- height INT
- Indexes

customer_invoice_item
- invoice_itemID INT
- invoiceID INT
- materialsID INT
- live_stockID INT
- serviceID INT
- charges DECIMAL(9,2)
- credits DECIMAL(9,2)
- date DATE
- Indexes

materials
- materialsID INT
- name VARCHAR(45)
- description VARCHAR(200)
- quantity INT
- price DECIMAL(9,2)
- depreciation DECIMAL(9,2)
- Indexes

Services
- serviceID INT
- services_rendered VARCHAR(512)
- Indexes

```
SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0;

SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS, FOREIGN_KEY_CHECKS=0;

SET @OLD_SQL_MODE=@@SQL_MODE,
SQL_MODE='ONLY_FULL_GROUP_BY,STRICT_TRANS_TABLES,NO_ZERO_IN_DATE,NO_ZERO_DATE,ERRO
R_FOR_DIVISION_BY_ZERO,NO_ENGINE_SUBSTITUTION';


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

-- Schema mydb

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



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

-- Schema mydb

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

CREATE SCHEMA IF NOT EXISTS `mydb` DEFAULT CHARACTER SET utf8 ;

USE `mydb` ;


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

-- Table `mydb`.`customer`

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

CREATE TABLE IF NOT EXISTS `mydb`.`customer` (

  `customerID` INT NOT NULL AUTO_INCREMENT,

  `name` VARCHAR(45) NOT NULL,

  `phone1` INT NOT NULL,

  `phone2` INT NULL DEFAULT NULL,
```

```sql
  `zip` INT NOT NULL,

  `city` VARCHAR(45) NOT NULL,

  `state` VARCHAR(2) NOT NULL,

  `address1` VARCHAR(45) NOT NULL,

  `address2` VARCHAR(45) NULL DEFAULT NULL,

  `referred_by` VARCHAR(45) NULL DEFAULT NULL,

  `service` VARCHAR(20) NOT NULL,

  `notes` VARCHAR(128) NULL DEFAULT NULL,

  PRIMARY KEY (`customerID`))

ENGINE = InnoDB;




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

-- Table `mydb`.`customer_invoice`

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

CREATE TABLE IF NOT EXISTS `mydb`.`customer_invoice` (

  `invoiceID` INT NOT NULL AUTO_INCREMENT,

  `customerID` INT NOT NULL,

  `date` DATE NOT NULL,

  `due_now` DECIMAL(9,2) NOT NULL,

  `remitted` DECIMAL(9,2) NOT NULL,

  `total_charge` DECIMAL(9,2) NOT NULL,

  `prior_balance` DECIMAL(9,2) NOT NULL,

  `total_new_charge` DECIMAL(9,2) NOT NULL,

  `taxes` DECIMAL(9,2) NOT NULL,

  `total_credit` DECIMAL(9,2) NOT NULL,

  `total_due` DECIMAL(9,2) NOT NULL,

  PRIMARY KEY (`invoiceID`, `customerID`),

  INDEX `fk_customer_invoice_customer1_idx` (`customerID` ASC) VISIBLE,
```

```sql
  CONSTRAINT `fk_customer_invoice_customer1`

  FOREIGN KEY (`customerID`)

  REFERENCES `mydb`.`customer` (`customerID`)

  ON DELETE NO ACTION

  ON UPDATE NO ACTION)

ENGINE = InnoDB;




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

-- Table `mydb`.`Services`

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

CREATE TABLE IF NOT EXISTS `mydb`.`Services` (

  `serviceID` INT NOT NULL AUTO_INCREMENT,

  `services_rendered` VARCHAR(512) NOT NULL,

  PRIMARY KEY (`serviceID`))

ENGINE = InnoDB;




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

-- Table `mydb`.`materials`

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

CREATE TABLE IF NOT EXISTS `mydb`.`materials` (

  `materialsID` INT NOT NULL AUTO_INCREMENT,

  `name` VARCHAR(45) NOT NULL,

  `description` VARCHAR(200) NOT NULL,

  `quantity` INT NOT NULL,

  `price` DECIMAL(9,2) NOT NULL,

  `depreciation` DECIMAL(9,2) NOT NULL,

  PRIMARY KEY (`materialsID`))
```

```
  ENGINE = InnoDB;



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

-- Table `mydb`.`livestock`

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

CREATE TABLE IF NOT EXISTS `mydb`.`livestock` (

  `livestockID` INT NOT NULL AUTO_INCREMENT,

  `name` VARCHAR(45) NOT NULL,

  `description` VARCHAR(45) NOT NULL,

  `quantity` INT NOT NULL,

  `price` DECIMAL(9,2) NOT NULL,

  `height` INT NULL,

  PRIMARY KEY (`livestockID`))

ENGINE = InnoDB;



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

-- Table `mydb`.`customer_invoice_item`

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

CREATE TABLE IF NOT EXISTS `mydb`.`customer_invoice_item` (

  `invoice_itemID` INT NOT NULL AUTO_INCREMENT,

  `invoiceID` INT NOT NULL,

  `materialsID` INT NOT NULL,

  `live_stockID` INT NOT NULL,

  `serviceID` INT NOT NULL,

  `charges` DECIMAL(9,2) NOT NULL,

  `credits` DECIMAL(9,2) NOT NULL,

  `date` DATE NOT NULL,
```

```sql
  PRIMARY KEY (`invoice_itemID`),
  INDEX `fk_InvoiceDetails_CustomerInvoice1_idx` (`invoiceID` ASC) VISIBLE,
  INDEX `fk_InvoiceDetails_LS_Materials1_idx` (`materialsID` ASC) VISIBLE,
  INDEX `fk_InvoiceDetails_LiveStock1_idx` (`live_stockID` ASC) VISIBLE,
  INDEX `serviceID_idx` (`serviceID` ASC) VISIBLE,
  CONSTRAINT `fk_InvoiceDetails_CustomerInvoice1`
    FOREIGN KEY (`invoiceID`)
    REFERENCES `mydb`.`customer_invoice` (`invoiceID`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION,
  CONSTRAINT `fk_InvoiceDetails_LS_Materials1`
    FOREIGN KEY (`materialsID`)
    REFERENCES `mydb`.`materials` (`materialsID`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION,
  CONSTRAINT `fk_InvoiceDetails_LiveStock1`
    FOREIGN KEY (`live_stockID`)
    REFERENCES `mydb`.`livestock` (`livestockID`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION,
  CONSTRAINT `serviceID`
    FOREIGN KEY (`serviceID`)
    REFERENCES `mydb`.`Services` (`serviceID`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION)
ENGINE = InnoDB;
```

-- ---

```sql
-- Table `mydb`.`order_log`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `mydb`.`order_log` (
  `conf_num` INT NOT NULL,
  `date` DATE NOT NULL,
  `supplier` VARCHAR(45) NOT NULL,
  `item` VARCHAR(45) NOT NULL,
  `quantity` INT NOT NULL,
  `ext_price` DECIMAL(9,2) NOT NULL,
  `taxrs` DECIMAL(9,2) NOT NULL,
  `shipping` DECIMAL(9,2) NOT NULL,
  `total` DECIMAL(9,2) NOT NULL,
  PRIMARY KEY (`conf_num`))
ENGINE = InnoDB;


-- -----------------------------------------------------
-- Table `mydb`.`livestock_orders`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `mydb`.`livestock_orders` (
  `livestockID` INT NOT NULL,
  `conf_num` INT NOT NULL,
  INDEX `fk_LiveStockOrders_LiveStock1_idx` (`livestockID` ASC) VISIBLE,
  PRIMARY KEY (`conf_num`, `livestockID`),
  CONSTRAINT `fk_LiveStockOrders_LiveStock1`
    FOREIGN KEY (`livestockID`)
    REFERENCES `mydb`.`livestock` (`livestockID`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION,
```

```
  CONSTRAINT `fk_LiveStockOrders_OrderLog1`

   FOREIGN KEY (`conf_num`)

   REFERENCES `mydb`.`order_log` (`conf_num`)

   ON DELETE NO ACTION

   ON UPDATE NO ACTION)

ENGINE = InnoDB;




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

-- Table `mydb`.`supplier`

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

CREATE TABLE IF NOT EXISTS `mydb`.`supplier` (

  `supplierID` INT NOT NULL,

  `preferred` BIT NOT NULL,

  `category` VARCHAR(45) NOT NULL,

  `name` VARCHAR(45) NOT NULL,

  `address1` VARCHAR(45) NOT NULL,

  `address2` VARCHAR(45) NULL DEFAULT NULL,

  `city` VARCHAR(45) NOT NULL,

  `state` VARCHAR(32) NOT NULL,

  `zip` INT NOT NULL,

  `order_phone` INT NULL DEFAULT NULL,

  `contact` VARCHAR(45) NULL DEFAULT NULL,

  `contact_phone` INT NULL DEFAULT NULL,

  `terms` VARCHAR(512) NULL DEFAULT NULL,

  `notes` VARCHAR(512) NULL DEFAULT NULL,

  PRIMARY KEY (`supplierID`))

ENGINE = InnoDB;
```

```
-- -----------------------------------------------------

-- Table `mydb`.`BOL`

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

CREATE TABLE IF NOT EXISTS `mydb`.`BOL` (

 `shipper_num` INT NOT NULL,

 `customerID` INT NOT NULL,

 `conf_num` INT NOT NULL,

 `invoiceID` INT NOT NULL,

 `order_date` DATE NOT NULL,

 `control` VARCHAR(45) NOT NULL,

 `itemID` INT NOT NULL,

 `quantity_ordered` INT NOT NULL,

 `quantity_shipped` INT NOT NULL,

 `quantity_back_ord` INT NOT NULL,

 `eta` DATE NULL DEFAULT NULL,

 `description` VARCHAR(128) NOT NULL,

 `uom` VARCHAR(45) NOT NULL,

 `unit_price` DECIMAL(9,2) NOT NULL,

 `extended_amount` DECIMAL(9,2) NOT NULL,

 `instructions` VARCHAR(1024) NOT NULL,

 `num_items` INT NOT NULL,

 `num_pieces` INT NOT NULL,

 `phone` INT NOT NULL,

 PRIMARY KEY (`shipper_num`),

 INDEX `fk_BOL_OrderLog1_idx` (`conf_num` ASC) VISIBLE,

 INDEX `customerID_idx` (`customerID` ASC) VISIBLE,

 INDEX `invoiceID_idx` (`invoiceID` ASC) VISIBLE,

 CONSTRAINT `fk_BOL_OrderLog1`
```

```sql
    FOREIGN KEY (`conf_num`)

    REFERENCES `mydb`.`order_log` (`conf_num`)

    ON DELETE NO ACTION

    ON UPDATE NO ACTION,

  CONSTRAINT `fk_customerID_bol`

    FOREIGN KEY (`customerID`)

    REFERENCES `mydb`.`customer` (`customerID`)

    ON DELETE NO ACTION

    ON UPDATE NO ACTION,

  CONSTRAINT `invoiceID`

    FOREIGN KEY (`invoiceID`)

    REFERENCES `mydb`.`customer_invoice` (`invoiceID`)

    ON DELETE NO ACTION

    ON UPDATE NO ACTION)

ENGINE = InnoDB;




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

-- Table `mydb`.`order_supplier`

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

CREATE TABLE IF NOT EXISTS `mydb`.`order_supplier` (

  `conf_num` INT NOT NULL,

  `supplierID` INT NOT NULL,

  INDEX `fk_OrderSupplier_SupplierInfo1_idx` (`supplierID` ASC) VISIBLE,

  PRIMARY KEY (`conf_num`, `supplierID`),

  CONSTRAINT `fk_OrderSupplier_OrderLog1`

    FOREIGN KEY (`conf_num`)

    REFERENCES `mydb`.`order_log` (`conf_num`)

    ON DELETE NO ACTION
```

ON UPDATE NO ACTION,

  CONSTRAINT `fk_OrderSupplier_SupplierInfo1`

   FOREIGN KEY (`supplierID`)

   REFERENCES `mydb`.`supplier` (`supplierID`)

   ON DELETE NO ACTION

   ON UPDATE NO ACTION)

ENGINE = InnoDB;

-- ---

-- Table `mydb`.`materials_orders`

-- ---

CREATE TABLE IF NOT EXISTS `mydb`.`materials_orders` (

 `materialsID` INT NOT NULL,

 `conf_num` INT NOT NULL,

 PRIMARY KEY (`materialsID`, `conf_num`),

 INDEX `fk_materials_has_order_log_order_log1_idx` (`conf_num` ASC) VISIBLE,

 INDEX `fk_materials_has_order_log_materials1_idx` (`materialsID` ASC) VISIBLE,

 CONSTRAINT `fk_materials_has_order_log_materials1`

  FOREIGN KEY (`materialsID`)

  REFERENCES `mydb`.`materials` (`materialsID`)

  ON DELETE NO ACTION

  ON UPDATE NO ACTION,

 CONSTRAINT `fk_materials_has_order_log_order_log1`

  FOREIGN KEY (`conf_num`)

  REFERENCES `mydb`.`order_log` (`conf_num`)

  ON DELETE NO ACTION

  ON UPDATE NO ACTION)

ENGINE = InnoDB;

```sql
-- -----------------------------------------------------
-- Table `mydb`.`retail_sales_ticket`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `mydb`.`retail_sales_ticket` (
  `ticket_num` INT NOT NULL,
  `customer_customerID` INT NOT NULL,
  `sold_by` VARCHAR(45) NULL,
  `delivery_fee` VARCHAR(45) NULL,
  `sales_tax` DECIMAL(9,2) NULL,
  `total` DECIMAL(9,2) NOT NULL,
  `instructions` VARCHAR(200) NULL,
  PRIMARY KEY (`ticket_num`),
  INDEX `customerID_idx` (`customer_customerID` ASC) VISIBLE,
  CONSTRAINT `fk_customerID_rst`
    FOREIGN KEY (`customer_customerID`)
    REFERENCES `mydb`.`customer` (`customerID`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION)
ENGINE = InnoDB;


-- -----------------------------------------------------
-- Table `mydb`.`item`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `mydb`.`item` (
  `itemID` INT NOT NULL,
  `description` VARCHAR(256) NULL,
```

```sql
  `unit_price` DECIMAL(9,2) NULL,

  PRIMARY KEY (`itemID`))

ENGINE = InnoDB;




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

-- Table `mydb`.`sales_ticket_detail`

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

CREATE TABLE IF NOT EXISTS `mydb`.`sales_ticket_detail` (

  `ticket_num` INT NOT NULL,

  `itemID` INT NOT NULL,

  `quantity` INT NOT NULL,

  `total_price` DECIMAL(9,2) NOT NULL,

  `sales_ticket_detailcol` VARCHAR(45) NOT NULL,

  PRIMARY KEY (`ticket_num`),

  INDEX `itemID_idx` (`itemID` ASC) VISIBLE,

  CONSTRAINT `itemID`

    FOREIGN KEY (`itemID`)

    REFERENCES `mydb`.`item` (`itemID`)

    ON DELETE NO ACTION

    ON UPDATE NO ACTION,

  CONSTRAINT `ticket_num`

    FOREIGN KEY (`ticket_num`)

    REFERENCES `mydb`.`retail_sales_ticket` (`ticket_num`)

    ON DELETE NO ACTION

    ON UPDATE NO ACTION)

ENGINE = InnoDB;
```

SET SQL_MODE=@OLD_SQL_MODE;

SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS;

SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS;

```
13 •    DESCRIBE bol
14    ;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: 𝐈A

Field	Type	Null	Key	Default	Extra
shipper_num	int	NO	PRI	NULL	auto_increment
customerID	int	NO	MUL	NULL	
conf_num	int	NO	MUL	NULL	
invoiceID	int	NO	MUL	NULL	
order_date	date	NO		NULL	
control	varchar(45)	NO		NULL	
itemID	int	NO		NULL	
quantity_ordered	int	NO		NULL	
quantity_shipped	int	NO		NULL	
quantity_back_ord	int	NO		NULL	
eta	date	YES		NULL	
description	varchar(128)	NO		NULL	
uom	varchar(45)	NO		NULL	
unit_price	decimal(9,2)	NO		NULL	
extended_amount	decimal(9,2)	NO		NULL	
instructions	varchar(10...	NO		NULL	
num_items	int	NO		NULL	
num_pieces	int	NO		NULL	
phone	int	NO		NULL	

```
13 •    DESCRIBE customer
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: 𝐈A

Field	Type	Null	Key	Default	Extra
customerID	int	NO	PRI	NULL	auto_increment
name	varchar(45)	NO		NULL	
phone1	int	NO		NULL	
phone2	int	YES		NULL	
zip	int	NO		NULL	
city	varchar(45)	NO		NULL	
state	varchar(2)	NO		NULL	
address1	varchar(45)	NO		NULL	
address2	varchar(45)	YES		NULL	
referred_by	varchar(45)	YES		NULL	
service	varchar(20)	NO		NULL	
notes	varchar(128)	YES		NULL	

```
12
13 •     DESCRIBE customer_invoice
```

Result Grid | Filter Rows: _____ | Export: | Wrap Cell Content: ⥂A

Field	Type	Null	Key	Default	Extra
invoiceID	int	NO	PRI	NULL	auto_increment
customerID	int	NO	PRI	NULL	
date	date	NO		NULL	
due_now	decimal(9,2)	NO		NULL	
remitted	decimal(9,2)	NO		NULL	
total_charge	decimal(9,2)	NO		NULL	
prior_balance	decimal(9,2)	NO		NULL	
total_new_charge	decimal(9,2)	NO		NULL	
taxes	decimal(9,2)	NO		NULL	
total_credit	decimal(9,2)	NO		NULL	
total_due	decimal(9,2)	NO		NULL	

```
12
13 •     DESCRIBE customer_invoice_item
```

Result Grid | Filter Rows: _____ | Export: | Wrap Cell Content: ⥂A

Field	Type	Null	Key	Default	Extra
invoice_itemID	int	NO	PRI	NULL	auto_increment
invoiceID	int	NO	MUL	NULL	
materialsID	int	NO	MUL	NULL	
live_stockID	int	NO	MUL	NULL	
serviceID	int	NO	MUL	NULL	
charges	decimal(9,2)	NO		NULL	
credits	decimal(9,2)	NO		NULL	
date	date	NO		NULL	

```
12
13 •     DESCRIBE item
```

Result Grid | Filter Rows: _____ | Export: | Wrap Cell Content: ⥂A

Field	Type	Null	Key	Default	Extra
itemID	int	NO	PRI	NULL	auto_increment
description	varchar(256)	YES		NULL	
unit_price	decimal(9,2)	YES		NULL	

```
13 •    DESCRIBE livestock
```

Field	Type	Null	Key	Default	Extra
livestockID	int	NO	PRI	NULL	auto_increment
name	varchar(45)	NO		NULL	
description	varchar(200)	NO		NULL	
quantity	int	NO		NULL	
price	decimal(9,2)	NO		NULL	
height	int	YES		NULL	

```
13 •    DESCRIBE livestock_orders
```

Field	Type	Null	Key	Default	Extra
livestockID	int	NO	PRI	NULL	
conf_num	int	NO	PRI	NULL	

```
13 •    DESCRIBE order_log
```

Field	Type	Null	Key	Default	Extra
conf_num	int	NO	PRI	NULL	auto_increment
date	date	NO		NULL	
supplier	varchar(45)	NO		NULL	
item	varchar(45)	NO		NULL	
quantity	int	NO		NULL	
ext_price	decimal(9,2)	NO		NULL	
taxrs	decimal(9,2)	NO		NULL	
shipping	decimal(9,2)	NO		NULL	
total	decimal(9,2)	NO		NULL	

```
13 •    DESCRIBE order_supplier
```

Field	Type	Null	Key	Default	Extra
conf_num	int	NO	PRI	NULL	
supplierID	int	NO	PRI	NULL	

```
12
13 •    DESCRIBE retail_sales_ticket
```

Field	Type	Null	Key	Default	Extra
ticket_num	int	NO	PRI	NULL	auto_increment
customer_customerID	int	NO	MUL	NULL	
sold_by	varchar(45)	YES		NULL	
delivery_fee	varchar(45)	YES		NULL	
sales_tax	decimal(9,2)	YES		NULL	
total	decimal(9,2)	NO		NULL	
instructions	varchar(200)	YES		NULL	

```
12
13 •    DESCRIBE sales_ticket_detail
```

Field	Type	Null	Key	Default	Extra
ticket_num	int	NO	PRI	NULL	
itemID	int	NO	MUL	NULL	
quantity	int	NO		NULL	
total_price	decimal(9,2)	NO		NULL	
sales_ticket_detailcol	varchar(45)	NO		NULL	

```
12
13 •    DESCRIBE services
```

Field	Type	Null	Key	Default	Extra
serviceID	int	NO	PRI	NULL	auto_increment
services_rendered	varchar(512)	NO		NULL	

```
/* INSERT INTO livestock(name, description, quantity, price, height, category)

VALUES('Camellia Barbara Clark', 'Something you can replace your ex-wife with', 1, 20.00, 6, shrub),

('Mimosa Pink', 'mmmmmmm mimosas', 3, 25.00, 4, tree),

('Honey Locust', 'I thought locusts had another name', 7, 30.00, 6, tree),

('Black Gum', 'A very beatiful piece of life, no doubt', 43, 15.00, 8, tree),

('Azalea Red Bells', 'Go the bell plants if you wanna keep acting like a ding dong', 25, 18.00, 4, shrub),

('Corylopsis Winterthur', 'cory... winter...', 10, 10.00, 8, shrub),

('Mock Orange', 'Very very close to the real orange', 14, 20.00, 4, shrub),

('Mugo Pine', 'one of the classics', 17, 35.00, 2, shrub); */


/* INSERT INTO materials(name, description, quantity, price)

VALUES('Barn Red', 'red gravel is pretty neat', 1, 20.00),

('Quaker Blend', 'not the kind of oatmeal you want', 3, 25.00),

('Keystone', 'I thought locusts had another name', 7, 30.00),

('Boulders', 'large boulder about the size of a small boulder ', 43, 15.00),

('Diamondstone', 'GME', 25, 18.00),

('Used Railroad Ties', 'ya like railroad ties?', 10, 10.00); */


/* INSERT INTO customer(name, phone1, zip, city, state, address1, service)

VALUES ('Bobby Shmurda', 0000001919, 01920, 'Los Angeles', 'CA', '1800 bababoeey st', 'mowing'),

('Kanye West', 0400201919, 01220, 'Jacksonhole', 'WY', '420 nut st', 'other'),

('Dr. J', 0096001919, 11920, 'Boulder', 'CO', '6900 funnynumber st', 'landscaping'),

('Koolaid Man', 0050401939, 22920, 'San Diego', 'CA', '0001 st st', 'mowing'); */


/* INSERT INTO supplier(category, name, address1, contact_phone, city, state, zip)

VALUES ('livestock', 'McGinnis Farms Inc.', '', '7209638227', 'Grayson', 'GA', 34217),

('sod', 'Earth and Turf Company', '', '7173552446', 'New Holland', 'PA', 36548); */

/* INSERT INTO retail_sales_ticket(customer_customerID,delivery_fee, sales_tax, total)
```

SELECT c.customerID, 3.50, 1.20, 20.00

FROM customer c */

/* INSERT INTO retail_sales_ticket(customer_customerID,delivery_fee, sales_tax, total)

SELECT c.customerID, 3.50, 1.20, 20.00

FROM customer c */

/* INSERT INTO item (description, unit_price)

VALUES ('a pack of pepsis', 5.00),

('garden staples', 2.00),

('sunflower seeds', 1.00),

('genuine leather gloves', 4.00),

('propane tank 1 gallon', 2.00),

('that sloppey', 5.00),

('irrigation pipage 6 feet', 3.00),

('three pairs of socks', 1.00),

('candy', 7.00),

('soil, the good kind', 9.00); */

/* INSERT INTO sales_ticket_detail(fk_ticket_num, fk_itemID, quantity, total_price)

SELECT r.ticket_num, i.itemID, 5, 5 * i.unit_price

FROM retail_sales_ticket r, item i */

```sql
1   SELECT name, address1, city, state, zip, phone1, phone2
2   FROM customer
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

name	address1	city	state	zip	phone1	phone2
Bobby Shmurda	1800 bababoeey st	Los Angeles	CA	1920	1919	NULL
Kanye West	420 nut st	Jacksonhole	WY	1220	400201919	NULL
Dr. J	6900 funnynumber st	Boulder	CO	11920	96001919	NULL
Koolaid Man	0001 st st	San Diego	CA	22920	50401939	NULL

Query 1 | supplier | retail_sales_ticket | sales_ticket_detail | item | SQL File 5* ✕

Limit to 1000 rows

```sql
1   SELECT category, livestockID, description, height
2   FROM livestock
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

category	livestockID	description	height
shrub	33	Something you can replace your ex-wife with	2
tree	34	mmmmmmm mimosas	4
tree	35	I thought locusts had another name	6
tree	36	A very beatiful piece of life, no doubt	4
shrub	37	Go the bell plants if you wanna keep acting like …	4
shrub	38	cory... winter...	8
shrub	39	Very very close to the real orange	2
shrub	40	one of the classics	6
NULL	NULL	NULL	NULL

Limit to 1000 rows

```sql
1  SELECT materialsID, category, name, description, quantity
2     FROM mydb.materials;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

materialsID	category	name	description	quantity
1	gravel	Barn Red	red gravel is pretty neat	1
2	gravel	Quaker Blend	not the kind of oatmeal you want	3
3	fabricatedstone	Keystone	I thought locusts had another name	7
4	nat stone	Boulders	large boulder about the size of a small boulder	43
5	patiopaver	Diamondstone	GME	25
6	timbers	Used Railroad Ties	ya like railroad ties?	10
NULL	NULL	NULL	NULL	NULL

Limit to 1000 rows

```sql
1  SELECT rst.ticket_num, rst.date, c.name, c.address1, std.quantity, std.fk_itemID, m.price, ls.price, std.total_price, rst.sales_tax, rst.total
2     FROM retail_sales_ticket rst
3     JOIN customer c ON
4        rst.customer_customerID = c.customerID
5     JOIN sales_ticket_detail std ON
6        rst.ticket_num = std.fk_ticket_num
7     JOIN materials m ON
8        m.materialsID = std.fk_itemID
9     JOIN livestock ls ON
10       ls.livestockID = std.fk_itemID
11    ORDER BY c.name DESC;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

ticket_num	date	name	address1	quantity	fk_itemID	price	price	total_price	sales_tax	total