

--NOT NULL constraint

=====

drop table orders;

```
CREATE TABLE orders (  
    order_id int NOT NULL,  
    order_item_id int NOT NULL,  
    order_date date NOT NULL,  
    customer_id int NOT NULL,  
    order_status varchar(20) NOT NULL,  
    product_id int NOT NULL,  
    quantity int NOT NULL,  
    product_price float NOT NULL,  
    total_price float NOT NULL  
);
```

```
INSERT INTO orders VALUES  
(1, 1, '2013-07-25', 11599, null, 957, 1, 299.98, 299.98);
```

```
CREATE TABLE customers (  
    customer_id int NOT NULL,  
    customer_fname varchar(45) NOT NULL,  
    customer_lname varchar(45) NOT NULL,  
    customer_email varchar(45) NOT NULL,  
    customer_phone varchar(45),  
    customer_street varchar(255),  
    customer_city varchar(45) NOT NULL,  
    customer_state varchar(45) NOT NULL,  
    customer_zipcode varchar(10)  
);
```

--PRIMARY KEY CONSTRAINT

=====

-- A KEY WHICH CAN UNIQUELY IDENTIFY A RECORD,

-- A PRIMARY KEY WILL NOT TAKE NULL VALUES

```
CREATE TABLE customers (  
    customer_id int,  
    customer_fname varchar(45) ,  
    customer_lname varchar(45),  
    customer_email varchar(45) ,  
    customer_phone varchar(45) ,  
    customer_street varchar(255) ,  
    customer_city varchar(45) ,  
    customer_state varchar(45) ,  
    customer_zipcode varchar(10)
```

```
);
```

```
INSERT INTO customers VALUES  
(1,'Richard','Hernandez','richard@gmail.com',null,'6303 Heather Plaza','Brownsville','TX','78521');  
INSERT INTO customers VALUES  
(1,'Mary','Barrett','mary@gmail.com',null,'9526 Noble Embers Ridge','Littleton','CO','80126');  
select * from customers;
```

```
CREATE TABLE customers (  
    customer_id int PRIMARY KEY,  
    customer_fname varchar(45) ,  
    customer_lname varchar(45),  
    customer_email varchar(45) ,  
    customer_phone varchar(45) ,  
    customer_street varchar(255) ,  
    customer_city varchar(45) ,  
    customer_state varchar(45) ,  
    customer_zipcode varchar(10)  
);
```

```
CREATE TABLE customers (  
    customer_id int,  
    customer_fname varchar(45) ,  
    customer_lname varchar(45),  
    customer_email varchar(45) ,  
    customer_phone varchar(45) ,  
    customer_street varchar(255) ,  
    customer_city varchar(45) ,  
    customer_state varchar(45) ,  
    customer_zipcode varchar(10),  
    PRIMARY KEY (customer_id)  
);
```

```
CREATE TABLE order_items (  
    order_id INT PRIMARY KEY,  
    product_id INT PRIMARY KEY,  
    quantity INT  
)
```

```
CREATE TABLE order_items (  
    order_id INT,  
    product_id INT,  
    quantity INT,  
    PRIMARY KEY (order_id, product_id)  
);
```

```
INSERT INTO order_items VALUES (1,101,2) ;  
INSERT INTO order_items VALUES (1,102,3) ;  
INSERT INTO order_items VALUES (1,102,5) ;
```