

MySQL handout Part #1

```
mysql> create database Walmart;
```

```
mysql> show databases;
```

```
mysql> use Walmart;
```

```
mysql>
```

```
CREATE TABLE customers
```

```
(  
    cust_id      int          NOT NULL AUTO INCREMENT,  
    cust_name    char(50)     NOT NULL,  
    cust_address char(50)     NULL,  
    cust_city    char(50)     NULL,  
    cust_state   char(5)      NULL,  
    cust_zip    char(10)     NULL,  
    cust_country char(50)     NULL,  
    cust_contact char(50)     NULL,  
    cust_email   char(255)    NULL,  
    PRIMARY KEY (cust_id)  
)
```

```
mysql>
```

```
CREATE TABLE orders
```

```
(  
    order_num    int          NOT NULL AUTO INCREMENT,  
    order_date   datetime     NOT NULL,  
    cust_id      int          NOT NULL,  
    PRIMARY KEY (order_num)  
)
```

```
mysql>
```

```
CREATE TABLE orderitems
```

```
(  
    order_num    int          NOT NULL AUTO INCREMENT,  
    order_item   int          NOT NULL,  
    cust_id      int          NOT NULL,  
    quantity     int          NOT NULL,  
    item_price   decimal(8,2) NOT NULL,  
    PRIMARY KEY (order_num, order_item)  
)
```

mysql>

INSERT INTO customers

```
(
  cust_name,
  cust_address,
  cust_city,
  cust_state,
  cust_zip,
  cust_country
)
```

VALUES

```
(
  'Pepe LePew',
  '100 Main Street',
  'Los Angeles',
  'CA',
  '90046',
  'USA',
),
(
  'M. Martian',
  '42 Galaxy Way',
  'New York',
  'NY',
  '11213',
  'USA'
);
```

```
mysql> use walmart;
Database changed
mysql> select * from customers;
+-----+-----+-----+-----+-----+
| cust_id | cust_name      | cust_address | cust_phone | cust_email      |
+-----+-----+-----+-----+-----+
| 1       | Michelle Wi   | 123 golf lane | 617-333-1234 | mwi@holeinone.com |
| 2       | Jordan Spieth | 444 slice st  | 918-123-4565 | jspieth@iluvgolf.com |
+-----+-----+-----+-----+-----+
2 rows in set (0.08 sec)

mysql> select * from orders;
+-----+-----+-----+
| order_num | order_date      | cust_id |
+-----+-----+-----+
| 1         | 2015-01-21 00:00:00 | 1       |
| 2         | 2015-03-02 00:00:00 | 2       |
| 3         | 2015-05-17 00:00:00 | 1       |
+-----+-----+-----+
3 rows in set (0.09 sec)

mysql> select * from orderitems;
+-----+-----+-----+-----+-----+
| order_num | order_item | prod_id | quantity | item_price |
+-----+-----+-----+-----+-----+
| 1         | 1          | tv      | 1         | 1500.00    |
| 1         | 2          | x-box 360 | 1         | 300.00     |
| 1         | 3          | donky kong | 1         | 60.00      |
| 1         | 4          | pants   | 1         | 38.25      |
| 2         | 1          | book   | 2         | 15.00      |
| 2         | 2          | mirror | 1         | 50.00      |
| 2         | 3          | shoes  | 1         | 125.00     |
| 2         | 4          | watch  | 1         | 250.00     |
| 3         | 1          | belt   | 1         | 15.00      |
+-----+-----+-----+-----+-----+
9 rows in set (0.05 sec)
```



```
mysql> show tables;
```

```
Tables_in_valmart
customers
orderitems
orders
```

```
3 rows in set (0.00 sec)
```

```
mysql> show columns from customers;
```

Field	Type	Null	Key	Default	Extra
cust_id	int(11)	NO	PRI	NULL	auto_increment
cust_name	char(50)	NO		NULL	
cust_address	char(50)	YES		NULL	
cust_phone	char(50)	YES		NULL	
cust_email	char(255)	YES		NULL	

```
5 rows in set (0.02 sec)
```

```
mysql> show columns from orders;
```

Field	Type	Null	Key	Default	Extra
order_num	int(11)	NO	PRI	NULL	auto_increment
order_date	datetime	NO		NULL	
cust_id	int(11)	NO		NULL	

```
3 rows in set (0.08 sec)
```

```
mysql> show columns from orderitems;
```

Field	Type	Null	Key	Default	Extra
order_num	int(11)	NO	PRI	NULL	
order_item	int(11)	NO	PRI	NULL	
prod_id	char(10)	NO		NULL	
quantity	int(11)	NO		NULL	
item_price	decimal(8,2)	NO		NULL	

```
5 rows in set (0.00 sec)
```

```
mysql>
```