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## **DAY -2 RUNNING NOTES**

Local setup should be ready

we have installed mysql server + workbench

what is a database?

A collection of tables

when you signup on a ecommerce website

signup

customers- name, age, email, phone, address

signin

profile

what is a table

A entity that holds data in form of rows and columns.

2 kind of databases

- relational dbs (SQL)

mysql

sql server

postresql

sqlite

mariadb

- noSQL db's

hbase

cassandra

mongodb

dynamodb

MySQL and SQL

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MySQL stores the data

SQL is a way to retrieve it

Database- retail\_db

tables- customers, orders, order\_items

create a table

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```
CREATE TABLE orders(  
order_id int,  
order_date datetime,  
customer_id int,  
order_status varchar(30)  
);
```

customers and insert 5 records

order\_items and insert 5 records

creating a database

creating a table

inserting records

write a comment # -- /\* \*/

Datatypes- int, varchar(30), date, datetime, float

schema

databasename-> schema-> tables

retail\_db-> dev / test / prod-> tables

retail\_db-> tables

public, dbo, sys

drop a table

drop a database

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

```
INSERT INTO customers VALUES
(1,'Richard','Hernandez','XXXXXXXXXX','XXXXXXXXXX','6303 Heather
Plaza','Brownsville','TX','78521');
```

```
INSERT INTO customers VALUES
(2,'Mary','Barrett','XXXXXXXXXX','XXXXXXXXXX','9526 Noble Embers
Ridge','Littleton','CO','80126'); select * from customers;
```

```
CREATE TABLE orders (
order_id int,
order_date datetime,
order_customer_id int,
order_status varchar(45)
);
```

```
INSERT INTO orders VALUES (1,'2013-07-25 00:00:00',11599,'CLOSED');
INSERT INTO orders VALUES (2,'2013-07-25',256,'PENDING_PAYMENT');
select * from orders;
```

```
CREATE TABLE order_items (
order_item_id int,
order_item_order_id int,
order_item_product_id int,
order_item_quantity int,
order_item_subtotal float,
order_item_product_price float
);
```

```
INSERT INTO order_items VALUES (1,1,957,1,299.98,299.98);
INSERT INTO order_items VALUES (2,2,1073,1,199.99,199.99);
INSERT INTO order_items VALUES (3,2,502,5,250,50);
select * from order_items;
=====
```