==Open the terminal==

==**sudo mysql -u root -p**==

==**Simplilearn**==

create database shopping_app

use shopping_app

table

    users

        emailid (PK), password, typeofuser   field or column

            type of user can be customer or admin

    products

    pid (PK), pname, price, description, stock or qty, created_at

    orders   ==don't write table name as order because in database order is keyword.==

        oid (pk) auto increment

        uid varchar(30) FK   (connect to users emailid ie pk)

        order_date timestamp default current_timestamp

        total float   table amount

        status   enum

        pending, shipped, delivered, cancelled default 'pending'

this table hold order details with product details with user details.

order_item

oitemid pk auto increment → PK

oid   int   --→ FK   link to orders id records

pid   int   → FK   link to product id record

qty   int   -→

price   -→

account

accno   int   pk

userid   varchar(30)   FK   for user table link to emailid

uname   varchar(30) not null,

balance   float,

payment

pid int pk auto increment

oid int   FK   for orders table

paymentdate   timestamp default current_timestamp

amount float

payment_method enum('credit cart','net banking','bank transfer')

Join : Join is use to retrieve more than one column from more than one table with condition ie PK and FK.

Inner join or equi join

It display only those records which present in both the table with link as PK and FK.

Select firsttablecolumnname,fisttablecolumnname…………, secondtblecolumnname,secondtablecolumnname from firsttablename inner join secondtablename on firsttablenamecolumn=secondtablecolumnname

select emailid,typeofuser,accno,balance from user inner join accounts on emailid=userid;

if table contains common column name ie PK in one table and FK in another table then we need to use table alias

select p.pid,p.pname,p.description,ot.qty from product p inner join orderitem ot on p.pid=ot.pid;

here p is table alias for product and ot is table alias for orderitem table.