# RUN MYSQL IN DOCKER

For restarting docker

docker start LocalMySQL

docker exec -i [container id] bash

If this does not work

For retsrating from scratch (loose PSG database, users etc)

docker run -d -p 3306:3306 \

-e "MYSQL\_ROOT\_PASSWORD=tibco123" --name LocalMySQL mysql

-d flag runs it in background

--name allows us to give it a name

Connec to the container running mysql to connect as root

docker exec -it [containerid] bash

then

root@391377da8bb4:/# mysql -u root -p

[password is tibco123]

create database PSG;

use PSG;

My SQL does not like tabs - use spaces

CREATE TABLE IF NOT EXISTS Customer (

CustID integer not null auto\_increment,

Name varchar (50) default null,

Address varchar (100) default null,

City varchar (50) default null,

State char (2) default null,

Zipcode varchar (5) default null,

CreditLimit decimal(10,2),

PRIMARY KEY (CustID)

);

Order is a Mysql reserved word - so the table had to be named CustomerOrder

CREATE TABLE IF NOT EXISTS CustomerOrder (

OrderID integer not null auto\_increment,

CustID integer not null,

OrderDate date default null,

ShipmentDate date default null,

ShipmentStatus varchar (50) default null,

PRIMARY KEY (OrderID),

FOREIGN KEY (CustID) REFERENCES Customer(CustID)

);

CREATE TABLE IF NOT EXISTS OrderLines (

OrderID integer not null,

Itemno char(10) not null,

Description varchar(100) default null,

Qty integer default null,

Price decimal(10,2),

PRIMARY KEY (OrderID,Itemno),

FOREIGN KEY (OrderID) REFERENCES CustomerOrder(CustID)

);

root user will not be able to connect from outside the server

create user 'psg'@'%' identified by 'tibco123';

grant all on PSG.\* to 'psg'@'%';

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docker stop [containerid]

and docker start [containerid]

or docker start [container name] -- This worked not the first one

can be used and retains data, at least small amount of it..