Create table shipment\_line(

ShipLine# number(9) constraint shipmentline\_pk primary key,

ShipId number(9) not null constraint shipmentl\_shipid\_fk

references Shipment (shipId),

Inv# number(8) not null constraint shipmel\_inv#\_fk

references Inventory (Inv#),

QtyShiped number(6) not null constraint shipmel\_qty\_chk

check(QtyShiped >0 ),

DataReceived date

);

ALTER TABLE shipment\_line

ADD CONSTRAINT shipment\_line\_unique UNIQUE (shipId, inv#);

Create table Shipment(

ShipId number(8) constraint shipment\_pk primary key,

ShipDate date not null

);

Create table Inventory(

Inv# number(8) constraint Inv\_pk primary key,

ProdCode number(9) not null constraint Inv\_ProdCode\_fk

references Product (ProdCode),

ColorCode number(5) not null constraint Inv\_ColorCode\_fk

references Color (ColorCode),

"SIZE" char(3) constraint Inv\_size\_chk

check ("SIZE" in ('S','M','L','XL','XXL')),

Price number(6,2) not null constraint Inv\_price\_chk

check (Price <= 9999.99),

QOH number(6) not null constraint Inv\_qoh\_chk

check (QOH > -1)

);

Create table Product(

ProdCode number(8) constraint Prod\_pk primary key,

ProdDesc varchar2(1000) not null UNIQUE,

CatId number(2) not null constraint Prod\_CatId\_fk

references Category (CatId)

);

Create table Category(

CatId number(2) constraint Cat\_pk primary key,

CatDesc varchar2(30) not null UNIQUE

constraint cat\_catdesc\_ck check

(CatDesc in ('Women''s','Men''s','Children''s','Outdoor Gear', 'Leisure'))

);

Create table Color(

ColorCode number(5) constraint Color\_pk primary key,

ColorDesc varchar2(10) not null UNIQUE

);

Create table customer(

customer# number(8) constraint cust\_pk primary key,

LastName varchar2(25) not null,

FirstName varchar2(25) not null,

MiddleName varchar2(25) ,

DOB date not null,

Address varchar2(50) not null,

City varchar2(20) not null,

Province varchar2(20) not null,

PostCode varchar2(7) not null,

Phone# number(10) not null,

userId varchar2(15) not null UNIQUE,

password varchar2(15) not null,

email varchar2(25) UNIQUE

);

Create table order\_source(

Osid number(3) constraint Ordersrc\_pk primary key,

SourceDesc varchar2(11) not null UNIQUE

);

Create table orders(

ord# number(8) constraint Order\_pk primary key,

OrdDate date not null,

PayMethod varchar2(2) not null constraint order\_mtd\_chk

check (PayMethod in ('CH','CC')),

Customer# number(8) not null constraint cust\_cust#\_fk

references Customer (Customer#),

Osid number(3) not null constraint cust\_osid\_fk

references Order\_source (Osid)

);

Create table order\_line(

ord# number(8) constraint Orderl\_pk primary key

constraint orderl\_ord#\_fk

references Orders (Ord#),

Item# number(8),

QtyOrdered number(6) not null constraint orderl\_qty\_chk

check (QtyOrdered > 0),

Inv# number(8) not null constraint orderl\_Inv#\_fk

references Inventory (Inv#)

);

--category

insert into category(catid, catdesc) values(1,'Women''s');

insert into category(catid, catdesc) values(2,'Children''s');

insert into category(catid, catdesc) values(3,'Outdoor Gear');

-- product

insert into product(prodcode, proddesc, catid) values(25300011, jeans ',1);

insert into product(prodcode, proddesc, catid) values(25300012, shorts ',2);

insert into product(prodcode, proddesc, catid) values(25300013, trousers ',3);

-- Color

insert into color(colorcode, colordesc) values(1,'Red');

insert into color(colorcode, colordesc) values(2,'Blue');

insert into color(colorcode, colordesc) values(3,'Black');

--inventory

insert into inventory(inv#, prodcode, colorcode, "SIZE", price, qoh) values(87654321,25300011,1,'M',2500.15,20);

insert into inventory(inv#, prodcode, colorcode, "SIZE", price, qoh) values(87654322,25300012,2,'S',3000.5,2);

insert into inventory(inv#, prodcode, colorcode, "SIZE", price, qoh) values(87654323,25300013,3,'XXL',750.75,1);

--shipment

insert into shipment(shipId, shipDate) values(12345678,to\_date('2000/07/17','yyyy/mm/dd'));

insert into shipment(shipId, shipDate) values(12345679,to\_date('2018/07/21','yyyy/mm/dd'));

insert into shipment(shipId, shipDate) values(12345680,to\_date('2019/07/22','yyyy/mm/dd'));

--shipment\_line

insert into shipment\_line(shipline#, shipid, inv#, qtyshiped, datareceived) values(526325125,12345678,87654321,5,'26-Jul-17');

insert into shipment\_line(shipline#, shipid, inv#, qtyshiped, datareceived) values(526325126,12345679,87654322,6,'27-Jul-18');

insert into shipment\_line(shipline#, shipid, inv#, qtyshiped, datareceived) values(526325127,12345680,87654323,7,'28-Jul-19');

--order\_source

insert into order\_source(osid, sourcedesc) values(1,'Winter 2007');

insert into order\_source(osid, sourcedesc) values(2,'Summer 2017');

insert into order\_source(osid, sourcedesc) values(3,'Spring 2011');

-- customer

insert into customer (customer#, lastname,firstname,middlename,dob, address,city,province,postcode,phone#,userid, password,email)

values(12000001,'Smith','John','Matt',to\_date('2000/09/25','yyyy/mm/dd'),'5 Finch Ave','Toronto','Ontario','M2A 1D8',6472225253,'hkjh','j08jKja','john@myseneca.ca'

);

insert into customer (customer#, lastname,firstname,middlename,dob, address,city,province,postcode,phone#,userid, password,email)

values(12000002,'Myer','Mark','Ken',to\_date('1999/09/26','yyyy/mm/dd'),'23 DonMills Rd','North York','Ontario','M2A 1D9',6471113333,'adfs','sda98d','myer@myseneca.ca');

insert into customer (customer#, lastname,firstname,middlename,dob, address,city,province,postcode,phone#,userid, password,email)

values(12000003,'Greg','Justin','Mike',to\_date('2002/09/22','yyyy/mm/dd'),'6 Hilda Ave','North York','Ontario','M2A 1D1',6479995555,'dalf','jasd7d','lkjad@myseneca.ca');

--orders

insert into orders(ord#, orddate, paymethod, customer#, osid) values(10000001,'20-Sep-17','CH',12000001,1);

insert into orders(ord#, orddate, paymethod, customer#, osid) values(10000002,'21-Sep-17','CC',12000002,2);

insert into orders(ord#, orddate, paymethod, customer#, osid) values(10000003,'22-Sep-17','CC',12000003,3);

--order\_line

insert into order\_line(ord#, item#, qtyOrdered, inv#) values(10000001,55443331,15,87654321);

insert into order\_line(ord#, item#, qtyOrdered, inv#) values(10000002,55443332,10,87654322);

insert into order\_line(ord#, item#, qtyOrdered, inv#) values(10000003,55443333,11,87654323);























create view ItemQtyOnHand as

select pd.proddesc,

cl.colordesc,

iv.price,

ol.ord#,

os.ordDate,

iv.qoh

from inventory iv join product pd

on iv.prodcode = pd.prodcode

join color cl

on cl.colorcode = iv.colorcode

join order\_line ol

on ol.inv# = iv.inv#

join orders os

on os.ord# = ol.ord#

where ol.QTYORDERED >= 10

DBS301 Assignment3

GROUP H

We declare that this assignment is our own work

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| Veena Peter | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  | |  |
| Farshad Haddadi | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
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| Rachana Jaishy |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Yukiko Imazu |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  |  |  |
|  |  |  |

user name dbs301\_172d27

password 10443193