DROP TABLE employee CASCADE CONSTRAINTS;

CREATE TABLE employee (

firstname varchar2(15) not null,

middleinit varchar2(1),

lastname varchar2(15) not null,

employeeid char(10) not null,

birthdate date,

address varchar2(50),

sex char,

salary number(10,2),

supervisorid char(10),

phone varchar(12),

primary key (employeeid),

foreign key (supervisorid) references employee(employeeid)

);

DROP TABLE customer CASCADE CONSTRAINTS;

CREATE TABLE customer (

firstname varchar2(15) not null,

middleinit varchar2(1),

lastname varchar2(15) not null,

customerid char(10) not null,

birthdate date,

address varchar2(50),

city varchar2(20),

state varchar2(2),

zip varchar2(10),

sex char,

phone varchar(12),

email varchar(50),

primary key (customerid),

);

DROP TABLE store CASCADE CONSTRAINTS;

CREATE TABLE store (

storename varchar2(25) not null,

storeid char(10) not null,

storeaddress varchar2(50),

storecity varchar2(20),

storestate varchar2(2),

storezip varchar2(10),

storemgrid char(10),

primary key (storeid),

foreign key (storemgrid) references employee(employeeid)

);

DROP TABLE supplier CASCADE CONSTRAINTS;

CREATE TABLE supplier (

suppliername varchar2(100) not null,

supplierid char(10) not null,

supplieraddress varchar2(50),

suppliercity varchar2(20),

supplierstate varchar2(2),

supplierzip varchar2(10),

supplierphone varchar2(12),

primary key (supplierid),

);

DROP TABLE product CASCADE CONSTRAINTS;

CREATE TABLE product (

productname varchar2(100) not null,

productid char(10) not null,

supplierid varchar2(10),

primary key (productid),

unique (productname),

foreign key (supplierid) references supplier(supplierid)

);

DROP TABLE inventory CASCADE CONSTRAINTS;

CREATE TABLE inventory (

storeid varchar(10) not null,

productid varchar2(10) not null,

qtyremaining number(10), // qty of the product that is remaining in the store

qtyonorder number(10), // how many have been ordered from the supplier that have not arrived yet

aisle number(4), //the aisle in the store where the product is kept

shelf number(4), //the shelf number in the store

unitprice number(8,2), // ie: $7.99

primary key (storeid, productid),

foreign key (storeid) references store(storeid),

foreign key (productid) references product(productid)

);

DROP TABLE saleticket CASCADE CONSTRAINTS;

CREATE TABLE saleticket ( //this is like the sales receipt header

ticketnumber number(9) not null,

ticketdate date not null,

tickettime time not null, // not sure if “time” is a valid datatime in oracle ?combine date & time into datetime field

storeid char(10) not null,

employeeid char(10),

paymethod varchar2(10) not null, //ie: Cash, Visa, Discover, Check

paymethodinfo varchar2(20), //ie: the credit card number, or the check number

customerid char(10), //note: the customer id could be blank if customer does not have a storecard

tottaxamt number(10,2), //ie: state tax + city tax etc…

totsaleamt number(10,2),

totpayamt number(10,2),

totchangeamt number(10,2),

primary key (ticketnumber),

foreign key (storeid) references store(storeid),

foreign key (customerid) references customer(customerid),

foreign key (employeeid) references employee(employeeid)

);

DROP TABLE saleitem CASCADE CONSTRAINTS;

CREATE TABLE saleitem // this is like the line items on the sales receipt

ticketnumber number(9) not null

itemnumber number(9) not null,

productid char(10) not null,

qty number(10) not null,

itemamt number(10,2) not null,

primary key (ticketnumber, itemnumber),

foreign key (productid) references product(productid)

foreign key (ticketnumber) references salesticket(ticketnumber)

);