Cate Dunham

Tutorial 1

Due September 14, 2025

# A. Revised Script for creating database:

A screen shot of a computer

AI-generated content may be incorrect.

A screen shot of a computer program

AI-generated content may be incorrect.

A screenshot of a computer program

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No edits made to record insertion on orders, CATEGORY, item, color or inventory.

A screen shot of a computer

AI-generated content may be incorrect.A screen shot of a computer code

AI-generated content may be incorrect.

# B. Output from running script:

.open TUT1.db

PRAGMA foreign\_keys = ON;

DROP TABLE IF EXISTS order\_detail;

DROP TABLE IF EXISTS shipment\_line;

DROP TABLE IF EXISTS shipment;

DROP TABLE IF EXISTS inventory;

DROP TABLE IF EXISTS color;

DROP TABLE IF EXISTS item;

DROP TABLE IF EXISTS category;

DROP TABLE IF EXISTS orders;

DROP TABLE IF EXISTS customer;

CREATE TABLE Customer

(c\_id CHAR(10),

c\_last VARCHAR(30),

c\_first VARCHAR(30),

c\_middle VARCHAR(30),

c\_dob DATE,

c\_addr\_line1 VARCHAR(30),

c\_addr\_line2 VARCHAR(30),

c\_addr\_comments VARCHAR(30),

c\_city VARCHAR(30),

c\_state CHAR(2),

c\_zip VARCHAR(10),

c\_ephone VARCHAR(10),

c\_userid VARCHAR(10),

c\_password VARCHAR(15),

CONSTRAINT customer\_c\_id\_pk PRIMARY KEY (c\_id));

CREATE TABLE Orders

(ord\_id CHAR(10),

ord\_date DATE,

ord\_c\_id CHAR(10),

Ord\_methodof\_payment VARCHAR(10),

Ord\_methodof\_order VARCHAR(8),

Ord\_methodof\_delivery VARCHAR(10),

CONSTRAINT orders\_ord\_id\_pk PRIMARY KEY (ord\_id),

CONSTRAINT orders\_c\_id\_fk FOREIGN KEY (ord\_c\_id) REFERENCES customer(c\_id));

CREATE TABLE Category

(cat\_id CHAR(3),

cat\_desc NVARCHAR2(10),

CONSTRAINT category\_cat\_id\_pk PRIMARY KEY (cat\_id));

CREATE TABLE Item

(item\_id CHAR(4),

item\_desc VARCHAR(30),

item\_cat\_id CHAR(3),

CONSTRAINT item\_id\_pk PRIMARY KEY (item\_id),

CONSTRAINT item\_cat\_id\_fk FOREIGN KEY (item\_cat\_id) REFERENCES category(cat\_id));

CREATE TABLE Color

(color\_code VARCHAR(20),

CONSTRAINT color\_code\_pk PRIMARY KEY (color\_code));

CREATE TABLE Inventory

(inv\_id INTEGER,

inv\_item\_id CHAR(4),

inv\_color VARCHAR(20),

inv\_size CHAR(5),

inv\_item\_price DECIMAL(7,2),

inv\_QOH INTEGER,

CONSTRAINT inv\_id\_pk PRIMARY KEY (inv\_id),

CONSTRAINT inv\_item\_id\_fk FOREIGN KEY (inv\_item\_id) REFERENCES item(item\_id),

CONSTRAINT inv\_color\_fk FOREIGN KEY (inv\_color) REFERENCES Color(color\_code));

CREATE TABLE shipment

(ship\_id INTEGER,

ship\_address VARCHAR(20),

ship\_date\_expected DATE,

CONSTRAINT shipment\_ship\_id\_pk PRIMARY KEY (ship\_id));

CREATE TABLE shipment\_line

(ship\_id INTEGER,

inv\_id INTEGER,

sl\_quantity INTEGER,

sl\_date\_received DATE,

CONSTRAINT shipment\_line\_ship\_id\_fk FOREIGN KEY (ship\_id) REFERENCES shipment(ship\_id),

CONSTRAINT shipment\_line\_inv\_id\_fk FOREIGN KEY (inv\_id) REFERENCES inventory(inv\_id),

CONSTRAINT shipment\_line\_shipid\_invid\_pk PRIMARY KEY(ship\_id, inv\_id));

CREATE TABLE order\_detail

(od\_o\_id CHAR(10),

od\_inv\_id INTEGER,

od\_quantity INTEGER NOT NULL,

CONSTRAINT order\_detail\_o\_id\_fk FOREIGN KEY (od\_o\_id) REFERENCES orders(ord\_id),

CONSTRAINT order\_detail\_inv\_id\_fk FOREIGN KEY (od\_inv\_id) REFERENCES inventory(inv\_id),

CONSTRAINT order\_detail\_oid\_invid\_pk PRIMARY KEY (od\_o\_id, od\_inv\_id));

--- inserting records into CUSTOMER

INSERT INTO CUSTOMER VALUES

(1, 'Tulu', 'Bengisu', NULL, date('1967-12-10'), '9815 Circle Dr.', NULL, NULL, 'Tallahassee', 'FL', '32308', '9045551897', 'tulub', 'barbiecar');

INSERT INTO CUSTOMER VALUES

(2, 'Elmes', 'Michael', 'B', date('1958-08-14'), '172 Alto Park', NULL, NULL, 'Seattle', 'WA','42180', '4185551791', 'elmesmb', 'qwert5');

INSERT INTO CUSTOMER VALUES

(3, 'Strong', 'Diana', 'M', date('1960-04-12'), '850 East Main', NULL, NULL, 'Santa Ana', 'MA', '51875', '3075557841', 'strongdm', 'joshua5');

INSERT INTO CUSTOMER VALUES

(4, 'Eleanor', 'Loiacono', 'T', date('1981-01-18'), '994 Kirkman Rd.', NULL, NULL, 'Northpoint', 'NY', '11795', '4825554788', 'eleanorlt', 'hold98er');

INSERT INTO CUSTOMER VALUES

(5, 'Wulf', 'Sharon', 'A', date('1978-08-30'), '195 College Blvd.', NULL, NULL, 'Newton', 'GA', '37812', '3525554972', 'wulfsa', '125pass');

INSERT INTO CUSTOMER VALUES

(6, 'Wilkinson', 'Norm', 'D', date('1973-06-01'), '348 Rice Lane', NULL, NULL, 'Radcliff', 'WY', '87195', '7615553485', 'wilkinsonnd', 'nok$tell');

--- inserting records into orders

INSERT INTO orders VALUES

(1, DATE('2012-05-29'), 1, 'CC', 'Phone', 'UPS');

INSERT INTO orders VALUES

(2, DATE('2012-05-29'), 5, 'CC', 'Phone', 'USPS');

INSERT INTO orders VALUES

(3, DATE('2012-05-31'), 2, 'CHECK', 'F2F', 'CUST');

INSERT INTO orders VALUES

(4, DATE('2012-05-31'), 3, 'CC', 'Web', 'UPS');

INSERT INTO orders VALUES

(5, DATE('2012-06-01'), 4, 'CC', 'F2F', 'CUST');

INSERT INTO orders VALUES

(6, DATE('2012-06-01'), 6, 'CC', 'Web', 'FedEx');

--- inserting records into CATEGORY

INSERT INTO category VALUES (1, 'Organization');

INSERT INTO category VALUES (2, 'Paper');

INSERT INTO category VALUES (3, 'Office supplies');

INSERT INTO category VALUES (4, 'Furniture');

--- inserting records into ITEM

INSERT INTO item VALUES

(1, 'Pencil', 3);

INSERT INTO item VALUES

(2, 'Desk', 4);

INSERT INTO item VALUES

(3, 'Binder', 1);

INSERT INTO item VALUES

(4, 'Folder', 1);

INSERT INTO item VALUES

(5, 'Notebook', 2);

INSERT INTO item VALUES

(6, 'Post-it Notes', 2);

INSERT INTO item VALUES

(7, 'chair', 4);

--- inserting records into COLOR

INSERT INTO color VALUES ('Sky Blue');

INSERT INTO color VALUES ('Light Grey');

INSERT INTO color VALUES ('Khaki');

INSERT INTO color VALUES ('Navy');

INSERT INTO color VALUES ('Royal');

INSERT INTO color VALUES ('Eggplant');

INSERT INTO color VALUES ('Blue');

INSERT INTO color VALUES ('Red');

INSERT INTO color VALUES ('Spruce');

INSERT INTO color VALUES ('Turquoise');

INSERT INTO color VALUES ('Bright Pink');

INSERT INTO color VALUES ('White');

--- inserting records into INVENTORY

INSERT INTO inventory VALUES

(1, 2, 'Sky Blue', NULL, 259.99, 16);

INSERT INTO inventory VALUES

(2, 2, 'Light Grey', NULL, 259.99, 12);

INSERT INTO inventory VALUES

(3, 3, 'Khaki', 'S', 29.95, 150);

INSERT INTO inventory VALUES

(4, 3, 'Khaki', 'M', 29.95, 147);

INSERT INTO inventory VALUES

(5, 3, 'Khaki', 'L', 29.95, 0);

INSERT INTO inventory VALUES

(6, 3, 'Navy', 'S', 29.95, 139);

INSERT INTO inventory VALUES

(7, 3, 'Navy', 'M', 29.95, 137);

INSERT INTO inventory VALUES

(8, 3, 'Navy', 'L', 29.95, 115);

INSERT INTO inventory VALUES

(9, 4, 'Eggplant', 'S', 59.95, 135);

INSERT INTO inventory VALUES

(10, 4, 'Eggplant', 'M', 59.95, 168);

INSERT INTO inventory VALUES

(11, 4, 'Eggplant', 'L', 59.95, 187);

INSERT INTO inventory VALUES

(12, 4, 'Royal', 'S', 59.95, 0);

INSERT INTO inventory VALUES

(13, 4, 'Royal', 'M', 59.95, 124);

INSERT INTO inventory VALUES

(14, 4, 'Royal', 'L', 59.95, 112);

INSERT INTO inventory VALUES

(15, 5, 'Turquoise', '10', 15.99, 121);

INSERT INTO inventory VALUES

(16, 5, 'Turquoise', '11', 15.99, 111);

INSERT INTO inventory VALUES

(17, 5, 'Turquoise', '12', 15.99, 113);

INSERT INTO inventory VALUES

(18, 5, 'Turquoise', '1', 15.99, 121);

INSERT INTO inventory VALUES

(19, 5, 'Bright Pink', '10', 15.99, 148);

INSERT INTO inventory VALUES

(20, 5, 'Bright Pink', '11', 15.99, 137);

INSERT INTO inventory VALUES

(21, 5, 'Bright Pink', '12', 15.99, 134);

INSERT INTO inventory VALUES

(22, 5, 'Bright Pink', '1', 15.99, 123);

INSERT INTO inventory VALUES

(23, 1, 'Spruce', 'S', 199.95, 114);

INSERT INTO inventory VALUES

(24, 1, 'Spruce', 'M',199.95, 17);

INSERT INTO inventory VALUES

(25, 1, 'Spruce', 'L', 209.95, 0);

INSERT INTO inventory VALUES

(26, 1, 'Spruce', 'XL', 209.95, 12);

INSERT INTO inventory VALUES

(27, 6, 'Blue', 'S', 15.95, 50);

INSERT INTO inventory VALUES

(28, 6, 'Blue', 'M', 15.95, 100);

INSERT INTO inventory VALUES

(29, 6, 'Blue', 'L', 15.95, 100);

INSERT INTO inventory VALUES

(30, 7, 'White', 'S', 19.99, 100);

INSERT INTO inventory VALUES

(31, 7, 'White', 'M', 19.99, 100);

INSERT INTO inventory VALUES

(32, 7, 'White', 'L', 19.99, 100);

--inserting records into SHIPMENT

INSERT INTO shipment VALUES

(1, NULL, DATE('2006-09-15'));

INSERT INTO shipment VALUES

(2, NULL, DATE('2006-11-15'));

INSERT INTO shipment VALUES

(3, NULL, DATE('2006-06-25'));

INSERT INTO shipment VALUES

(4, NULL, DATE('2006-06-25'));

INSERT INTO shipment VALUES

(5, NULL, DATE('2006-08-15'));

--inserting records into SHIPMENT\_LINE

INSERT INTO shipment\_line VALUES

(1, 1, 25, DATE('2006-09-10'));

INSERT INTO shipment\_line VALUES

(1, 2, 25, DATE('2006-09-10'));

INSERT INTO shipment\_line VALUES

(2, 2, 25, NULL);

INSERT INTO shipment\_line VALUES

(3, 5, 200, NULL);

INSERT INTO shipment\_line VALUES

(3, 6, 200, NULL);

INSERT INTO shipment\_line VALUES

(3, 7, 200, NULL);

INSERT INTO shipment\_line VALUES

(4, 12, 100, DATE('2012-08-15'));

INSERT INTO shipment\_line VALUES

(4, 13, 100, DATE('2012-08-25'));

INSERT INTO shipment\_line VALUES

(5, 23, 50, DATE('2012-08-15'));

INSERT INTO shipment\_line VALUES

(5, 24, 100, DATE('2012-08-15'));

INSERT INTO shipment\_line VALUES

(5, 25, 100, DATE('2012-08-15'));

--- inserting records into order\_detail

INSERT INTO order\_detail VALUES (1, 1, 1);

INSERT INTO order\_detail VALUES (1, 14, 2);

INSERT INTO order\_detail VALUES (2, 19, 1);

INSERT INTO order\_detail VALUES (3, 24, 1);

INSERT INTO order\_detail VALUES (3, 26, 1);

INSERT INTO order\_detail VALUES (4, 12, 2);

INSERT INTO order\_detail VALUES (5, 8, 1);

INSERT INTO order\_detail VALUES (5, 13, 1);

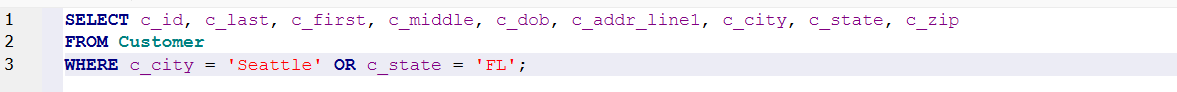
INSERT INTO order\_detail VALUES (6, 2, 1);

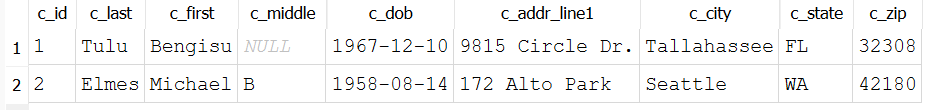
INSERT INTO order\_detail VALUES (6, 7, 3);

.output stdout

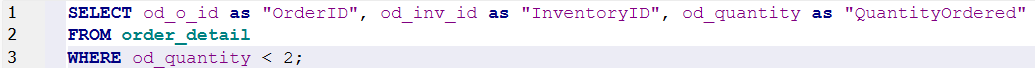
C. Script/Output for SQL Queries

List the customer id, name (last, first, and middle), date of birth (DOB), and address  
(address, city, state, and zip) for customers whose city is Seattle or whose state is FL





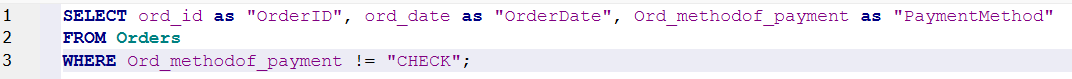
For the items on order, list the order id, the inventory id, and the quantity ordered  
for those items whose quantity ordered is less than 2



A table with numbers and letters

AI-generated content may be incorrect.

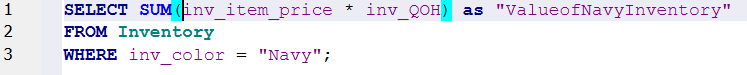
List all the orders (include order id, order date, and order payment method  
(PMTMETH) whose payment method is not check



A screenshot of a table

AI-generated content may be incorrect.

List the total value of the inventory for all inventory items whose color is navy



A screenshot of a computer

AI-generated content may be incorrect.

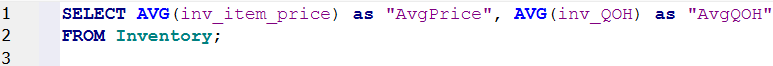
List the number of customer orders that are in the database



A close up of a logo

AI-generated content may be incorrect.

List the average price and average quantity on hand (QOH) of all inventory items.



A close-up of a price tag

AI-generated content may be incorrect.