19PW15 DBMS WS4

EDITOR USED : POPSQL

DBMS USED : MYSQL

USE 19pw;

CREATE TABLE 19PW15CUSTOMER(

CUSTOMERID NUMERIC(5) PRIMARY KEY,

FIRSTNAME VARCHAR(10) NOT NULL,

LASTNAME VARCHAR(10) NOT NULL,

CITY VARCHAR(20) NOT NULL,

STATE VARCHAR(20) NOT NULL

);

CREATE TABLE 19PW15ITEMS\_ORDERED(

CUSTOMERID NUMERIC(5),

ORDER\_DATE DATE,

ITEM VARCHAR(30),

QUANTITY INT,

PRICE NUMERIC(10,2)

);

INSERT INTO 19PW15CUSTOMER VALUES

(10101, 'John', 'Gray', 'Lynden', 'Washington'),

(10298, 'Leroy', 'Brown', 'Pinetop', 'Arizona'),

(10299, 'Elroy', 'Keller', 'Snoqualmie', 'Washington'),

(10315, 'Lisa', 'Jones', 'Oshkosh', 'Wisconsin'),

(10325, 'Ginger', 'Schultz', 'Pocatello', 'Idaho'),

(10329, 'Kelly', 'Mendoza', 'Kailua', 'Hawaii'),

(10330, 'Shawn', 'Dalton', 'Cannon Beach', 'Oregon'),

(10338, 'Michael', 'Howell', 'Tillamook', 'Oregon'),

(10339, 'Anthony', 'Sanchez', 'Winslow', 'Arizona'),

(10408, 'Elroy', 'Cleaver', 'Globe', 'Arizona'),

(10410, 'Mary Ann', 'Howell', 'Charleston', 'South Carolina'),

(10413, 'Donald', 'Davids', 'Gila Bend', 'Arizona'),

(10419, 'Linda', 'Sakahara', 'Nogales', 'Arizona'),

(10429, 'Sarah', 'Graham', 'Greensboro', 'North Carolina'),

(10438, 'Kevin', 'Smith', 'Durango', 'Colorado'),

(10439, 'Conrad', 'Giles', 'Telluride', 'Colorado'),

(10449, 'Isabela', 'Moore', 'Yuma', 'Arizona');

INSERT INTO 19PW15ITEMS\_ORDERED VALUES

(10330, STR\_TO\_DATE('30-Jun-1999', '%d-%b-%Y'), 'Pogo stick', 1, 28.00),

(10101, STR\_TO\_DATE('30-Jun-1999', '%d-%b-%Y'), 'Raft', 1, 58.00),

(10298, STR\_TO\_DATE('01-Jul-1999', '%d-%b-%Y'), 'Skateboard', 1, 33.00),

(10101, STR\_TO\_DATE('01-Jul-1999', '%d-%b-%Y'), 'Life Vest', 4, 125.00),

(10299, STR\_TO\_DATE('06-Jul-1999', '%d-%b-%Y'), 'Parachute', 1, 1250.00),

(10339, STR\_TO\_DATE('27-Jul-1999', '%d-%b-%Y'), 'Umbrella', 1, 4.50),

(10449, STR\_TO\_DATE('13-Aug-1999', '%d-%b-%Y'), 'Unicycle', 1, 180.79),

(10439, STR\_TO\_DATE('14-Aug-1999', '%d-%b-%Y'), 'Ski Poles', 2, 25.50),

(10101, STR\_TO\_DATE('18-Aug-1999', '%d-%b-%Y'), 'Rain Coat', 1, 18.30),

(10449, STR\_TO\_DATE('01-Sep-1999', '%d-%b-%Y'), 'Snow Shoes', 1, 45.00),

(10439, STR\_TO\_DATE('18-Sep-1999', '%d-%b-%Y'), 'Tent', 1, 88.00),

(10298, STR\_TO\_DATE('19-Sep-1999', '%d-%b-%Y'), 'Lantern', 2, 29.00),

(10410, STR\_TO\_DATE('28-Oct-1999', '%d-%b-%Y'), 'Sleeping Bag', 1, 89.22),

(10438, STR\_TO\_DATE('01-Nov-1999', '%d-%b-%Y'), 'Umbrella', 1, 6.75),

(10438, STR\_TO\_DATE('02-Nov-1999', '%d-%b-%Y'), 'Pillow', 1, 8.50),

(10298, STR\_TO\_DATE('01-Dec-1999', '%d-%b-%Y'), 'Helmet', 1, 22.00),

(10449, STR\_TO\_DATE('15-Dec-1999', '%d-%b-%Y'), 'Bicycle', 1, 380.50),

(10449, STR\_TO\_DATE('22-Dec-1999', '%d-%b-%Y'), 'Canoe', 1, 280.00),

(10101, STR\_TO\_DATE('30-Dec-1999', '%d-%b-%Y'), 'Hoola Hoop', 3, 14.75),

(10330, STR\_TO\_DATE('01-Jan-2000', '%d-%b-%Y'), 'Flashlight', 4, 28.00),

(10101, STR\_TO\_DATE('02-Jan-2000', '%d-%b-%Y'), 'Lantern', 1, 16.00),

(10299, STR\_TO\_DATE('18-Jan-2000', '%d-%b-%Y'), 'Inflatable Mattress', 1, 38.00),

(10438, STR\_TO\_DATE('18-Jan-2000', '%d-%b-%Y'), 'Tent', 1, 79.99),

(10413, STR\_TO\_DATE('19-Jan-2000', '%d-%b-%Y'), 'Lawnchair', 4, 32.00),

(10410, STR\_TO\_DATE('30-Jan-2000', '%d-%b-%Y'), 'Unicycle', 1, 192.50),

(10315, STR\_TO\_DATE('02-Feb-2000', '%d-%b-%Y'), 'Compass', 1, 8.00),

(10449, STR\_TO\_DATE('29-Feb-2000', '%d-%b-%Y'), 'Flashlight', 1, 4.50),

(10101, STR\_TO\_DATE('08-Mar-2000', '%d-%b-%Y'), 'Sleeping Bag', 2, 88.70),

(10298, STR\_TO\_DATE('18-Mar-2000', '%d-%b-%Y'), 'Pocket Knife', 1, 22.38),

(10449, STR\_TO\_DATE('19-Mar-2000', '%d-%b-%Y'), 'Canoe paddle', 2, 40.00),

(10298, STR\_TO\_DATE('01-Apr-2000', '%d-%b-%Y'), 'Ear Muffs', 1, 12.50),

(10330, STR\_TO\_DATE('19-Apr-2000', '%d-%b-%Y'), 'Shovel', 1, 16.75);

SELECT CUSTOMERID,ITEM,PRICE FROM 19PW15ITEMS\_ORDERED WHERE CUSTOMERID = 10449;

SELECT \* FROM 19PW15ITEMS\_ORDERED WHERE ITEM = 'Tent';

SELECT CUSTOMERID,ORDER\_DATE,QUANTITY FROM 19PW15ITEMS\_ORDERED WHERE ITEM LIKE 'S%';

SELECT MAX(PRICE) FROM 19PW15ITEMS\_ORDERED;

SELECT AVG(PRICE) FROM 19PW15ITEMS\_ORDERED WHERE MONTH(ORDER\_DATE)=12;

SELECT MIN(PRICE) FROM 19PW15ITEMS\_ORDERED WHERE ITEM = 'Tent';

SELECT STATE,COUNT(\*) FROM 19PW15CUSTOMER GROUP BY STATE;

SELECT ITEM,MAX(PRICE),MIN(PRICE) FROM 19PW15ITEMS\_ORDERED GROUP BY ITEM;

SELECT CUSTOMERID,COUNT(\*) FROM 19PW15ITEMS\_ORDERED GROUP BY CUSTOMERID;

SELECT STATE,COUNT(\*) FROM 19PW15CUSTOMER GROUP BY STATE HAVING COUNT(\*)>1;

SELECT LASTNAME,FIRSTNAME,CITY FROM 19PW15CUSTOMER WHERE CUSTOMERID IN (SELECT DISTINCT CUSTOMERID FROM 19PW15ITEMS\_ORDERED) ORDER BY LASTNAME DESC;

SELECT ITEM,PRICE FROM 19PW15ITEMS\_ORDERED WHERE PRICE > 10.00 ORDER BY PRICE;

SELECT CUSTOMERID,ORDER\_DATE,ITEM FROM 19PW15ITEMS\_ORDERED WHERE ITEM NOT IN ('Snow Shoes','Ear Muffs');

SELECT ITEM,PRICE FROM 19PW15ITEMS\_ORDERED WHERE ITEM REGEXP '^S' OR ITEM REGEXP '^P' OR ITEM REGEXP '^F';

SELECT ORDER\_DATE ,ITEM,PRICE FROM 19PW15ITEMS\_ORDERED WHERE PRICE BETWEEN 10.00 AND 80.00 ;

SELECT FIRSTNAME,CITY,STATE FROM 19PW15CUSTOMER WHERE STATE IN ('Arizona','Washington','Oklahoma','Colorado','Hawaii');

SELECT ITEM,PRICE/QUANTITY AS 'PER UNIT PRICE' FROM 19PW15ITEMS\_ORDERED;

SELECT C.CUSTOMERID,C.FIRSTNAME,C.LASTNAME,I.ORDER\_DATE,I.ITEM FROM 19PW15CUSTOMER C INNER JOIN 19PW15ITEMS\_ORDERED I ON C.CUSTOMERID = I.CUSTOMERID;

SELECT C.FIRSTNAME,C.LASTNAME,I.ORDER\_DATE FROM 19PW15CUSTOMER C INNER JOIN 19PW15ITEMS\_ORDERED I ON C.CUSTOMERID = I.CUSTOMERID WHERE C.CUSTOMERID=10101;

SELECT YEAR(ORDER\_DATE),SUM(PRICE) AS 'SALES' FROM 19PW15ITEMS\_ORDERED GROUP BY YEAR(ORDER\_DATE);

SELECT \* FROM 19PW15CUSTOMER WHERE CUSTOMERID NOT IN (SELECT DISTINCT CUSTOMERID FROM 19PW15ITEMS\_ORDERED);

SELECT \* FROM 19PW15CUSTOMER WHERE CUSTOMERID IN (SELECT DISTINCT CUSTOMERID FROM 19PW15ITEMS\_ORDERED);

SELECT \* FROM 19PW15CUSTOMER WHERE CUSTOMERID IN (SELECT CUSTOMERID FROM 19PW15ITEMS\_ORDERED GROUP BY CUSTOMERID HAVING SUM(PRICE)>800);

SELECT C.\*,I.QUANTITY FROM 19PW15CUSTOMER C INNER JOIN 19PW15ITEMS\_ORDERED I ON C.CUSTOMERID = I.CUSTOMERID ;

SELECT MONTH(ORDER\_DATE) FROM 19PW15ITEMS\_ORDERED GROUP BY MONTH(ORDER\_DATE) ORDER BY COUNT(\*) DESC LIMIT 1;

SELECT I.ITEM FROM 19PW15ITEMS\_ORDERED I INNER JOIN 19PW15CUSTOMER C ON I.CUSTOMERID=C.CUSTOMERID WHERE C.STATE = 'Colorado';

SELECT I.\* FROM 19PW15ITEMS\_ORDERED I INNER JOIN 19PW15CUSTOMER C ON I.CUSTOMERID=C.CUSTOMERID WHERE I.PRICE>350 AND C.STATE IN ('Colorado','North Carolina','Washington','South Carolina');

SELECT YEAR(ORDER\_DATE),SUM(PRICE) FROM 19PW15ITEMS\_ORDERED WHERE CUSTOMERID = 10101 GROUP BY YEAR(ORDER\_DATE);

SELECT CONCAT(C.FIRSTNAME,C.LASTNAME) AS 'NAME' FROM 19PW15CUSTOMER C INNER JOIN 19PW15ITEMS\_ORDERED I ON C.CUSTOMERID = I.CUSTOMERID WHERE C.STATE = 'Colorado' AND I.ITEM = 'Umbrella';

SELECT DISTINCT CUSTOMERID FROM 19PW15ITEMS\_ORDERED WHERE YEAR(ORDER\_DATE) IN ('1999','2000');