CREATE TABLE Customer

(

customerid INT,

firstname VARCHAR(50),

lastname VARCHAR(50),

city VARCHAR(50),

state VARCHAR(50),

CONSTRAINT pkey PRIMARY KEY (customerid)

);

CREATE TABLE IF NOT EXISTS Items\_ordered

(

customerid INT,

order\_date DATE,

item VARCHAR(50),

quantity INT,

price NUMERIC(8, 2),

CONSTRAINT foreign\_key FOREIGN KEY (customerid) REFERENCES Customer (customerid)

);

INSERT INTO Customer

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 Items\_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);

Q1)

SELECT customerid,item,price FROM Items\_ordered WHERE customerid=10449;

Q2)

SELECT \* FROM Items\_ordered WHERE item='Tent';

Q3)

SELECT customerid,order\_date,quantity FROM Items\_ordered WHERE item LIKE 'S%';

Q4)

SELECT MAX(price) FROM Items\_ordered;

Q5)

SELECT AVG(price) FROM Items\_ordered WHERE MONTH(order\_date)=12;

Q6)

SELECT MIN(price) FROM Items\_ordered WHERE item='Tent';

Q7)

SELECT state,COUNT(\*) FROM Customer GROUP BY state;

Q8)

SELECT item,MAX(price),MIN(price) FROM Items\_ordered GROUP BY item;

Q9)

SELECT customerid,COUNT(\*) FROM Items\_ordered GROUP BY customerid;

Q10)

SELECT state,COUNT(\*) FROM Customer GROUP BY state HAVING COUNT(\*)>1;

Q11)

SELECT lastname,firstname,city FROM Customer ORDER BY lastname DESC;

Q12)

SELECT item,price FROM Items\_ordered WHERE price>10.0 ORDER BY price;

Q13)

SELECT customerid,order\_date,item FROM Items\_ordered WHERE item NOT IN ('Snow Shoes','Ear Muffs');

Q14)

SELECT item,price FROM Items\_ordered WHERE item REGEXP '^[SPF]';

Q15)

SELECT order\_date,item,price FROM Items\_ordered WHERE price BETWEEN 10 AND 80;

Q16)

SELECT firstname,city,state FROM Customer WHERE state IN('Arizona','Washington','Oklahoma','Colorado','Hawaii');

Q17)

SELECT item,price/quantity FROM Items\_ordered;

Q18)

SELECT customerid,firstname,lastname,order\_date,item,price FROM Customer INNER JOIN Items\_ordered USING(customerid);

Q19)

SELECT firstname,lastname,order\_date FROM Customer INNER JOIN Items\_ordered USING (customerid) WHERE customerid=10101;

Q20)

SELECT YEAR(order\_date) AS 'Year',SUM(price) AS 'Total\_Sales' FROM Items\_ordered GROUP BY YEAR(order\_date);

Q21)

SELECT \* FROM Customer WHERE customerid NOT IN (SELECT DISTINCT customerid FROM Items\_ordered);

Q22)

SELECT firstname,lastname FROM Customer WHERE customerid IN (SELECT DISTINCT customerid FROM Items\_ordered);

Q23)

SELECT \* FROM Customer INNER JOIN Items\_ordered USING (customerid) WHERE price>800;

Q24)

SELECT C.\*,I.quantity FROM Customer C INNER JOIN Items\_ordered I on C.customerid = I.customerid;

Q25)

SELECT MONTHNAME(order\_date) FROM Items\_ordered GROUP BY MONTHNAME(order\_date) ORDER BY COUNT(\*) DESC LIMIT 1;

Q26)

SELECT DISTINCT I.item FROM Items\_ordered I INNER JOIN Customer C on I.customerid = C.customerid WHERE state='colorado';

Q27)

SELECT I.\* FROM Items\_ordered I INNER JOIN Customer C on I.customerid=C.customerid WHERE I.price>350 AND C.state IN('Colorado','North Carolina','Washington','South Carolina');

Q28)

SELECT YEAR(order\_date),SUM(price) FROM Items\_ordered WHERE customerid=10101 GROUP BY YEAR(order\_date);

Q29)

SELECT C.\* FROM Customer C INNER JOIN Items\_ordered I on C.customerid=I.customerid WHERE C.state = 'COLORADO' AND I.item='Umbrella';

Q30)

SELECT DISTINCT customerid FROM Items\_ordered WHERE YEAR(order\_date) BETWEEN 1999 AND 2000;

OUTPUTS:









































