CREATE TABLE Customer (

customerid BIGINT PRIMARY KEY,

firstname VARCHAR(50),

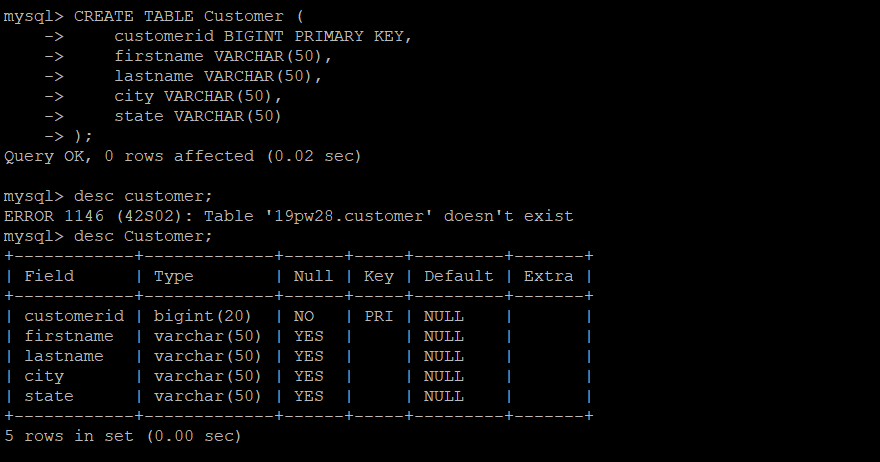
lastname VARCHAR(50),

city VARCHAR(50),

state VARCHAR(50)

);

desc Customer;



CREATE TABLE Items\_ordered (

customerid BIGINT,

order\_date DATE,

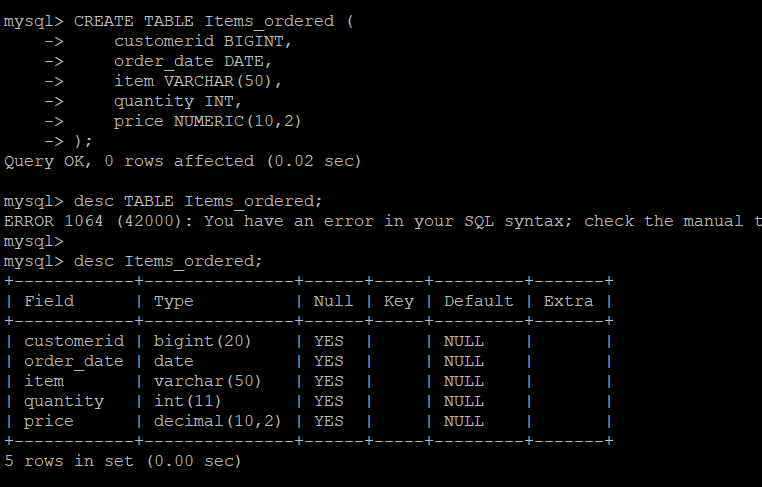
item VARCHAR(50),

quantity INT,

price NUMERIC(10,2)

);

desc Items\_ordered;



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'),

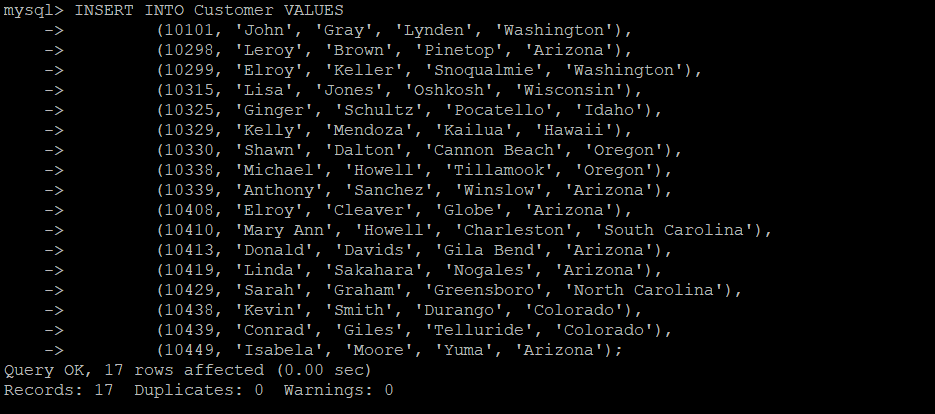
(10419, 'Linda', 'Sakahara', 'Nogales', 'Arizona'),

(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),

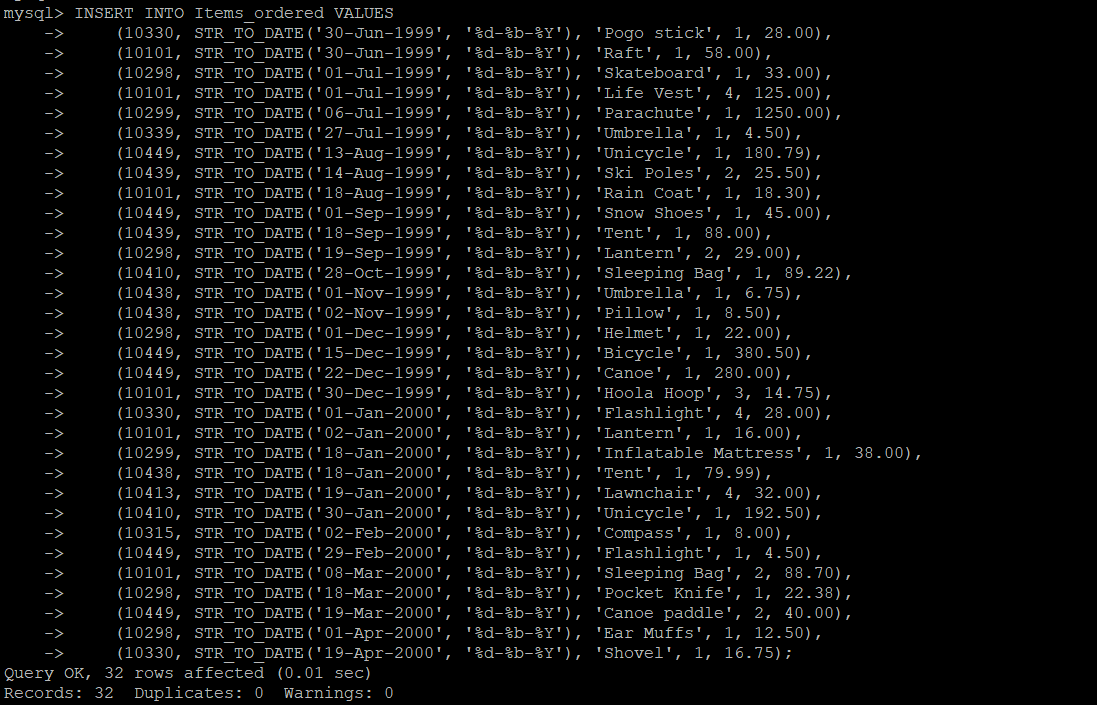
(10101, STR\_TO\_DATE('08-Mar-2000', '%d-%b-%Y'), 'Sleeping Bag', 2, 88.70),

(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),

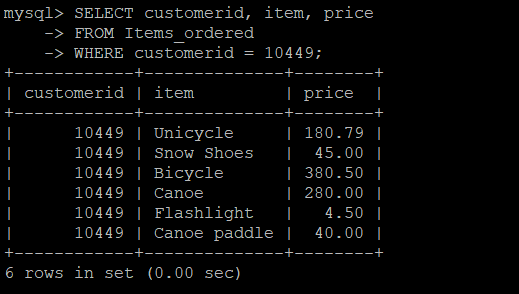
(10330, STR\_TO\_DATE('19-Apr-2000', '%d-%b-%Y'), 'Shovel', 1, 16.75);



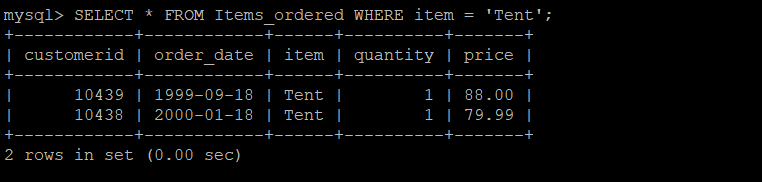
1)SELECT customerid, item, price

FROM Items\_ordered

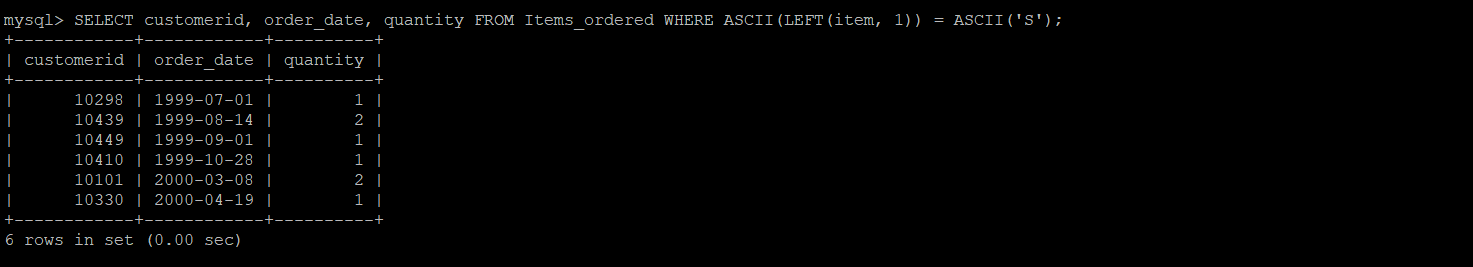
WHERE customerid = 10449;



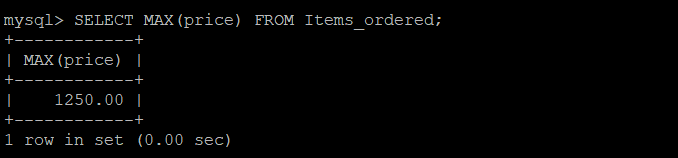
2)SELECT \* FROM Items\_ordered WHERE item = 'Tent';



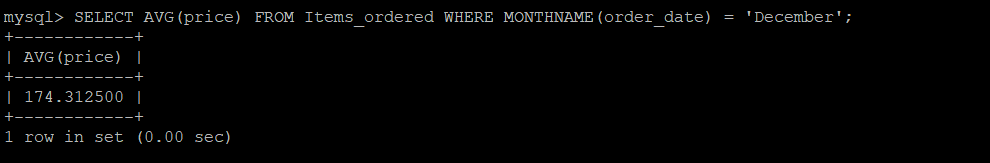
3)SELECT customerid, order\_date, quantity FROM Items\_ordered WHERE ASCII(LEFT(item, 1)) = ASCII('S');



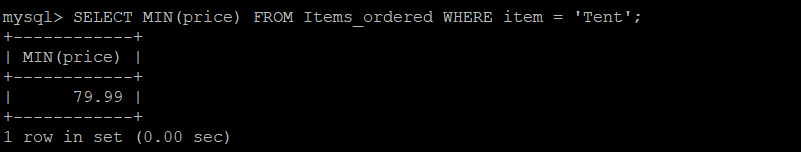
4)SELECT MAX(price) FROM Items\_ordered;



5)SELECT AVG(price) FROM Items\_ordered WHERE MONTHNAME(order\_date) = 'December';



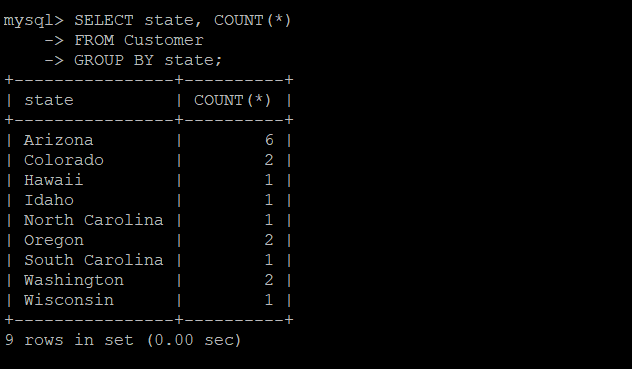
6)SELECT MIN(price) FROM Items\_ordered WHERE item = 'Tent';



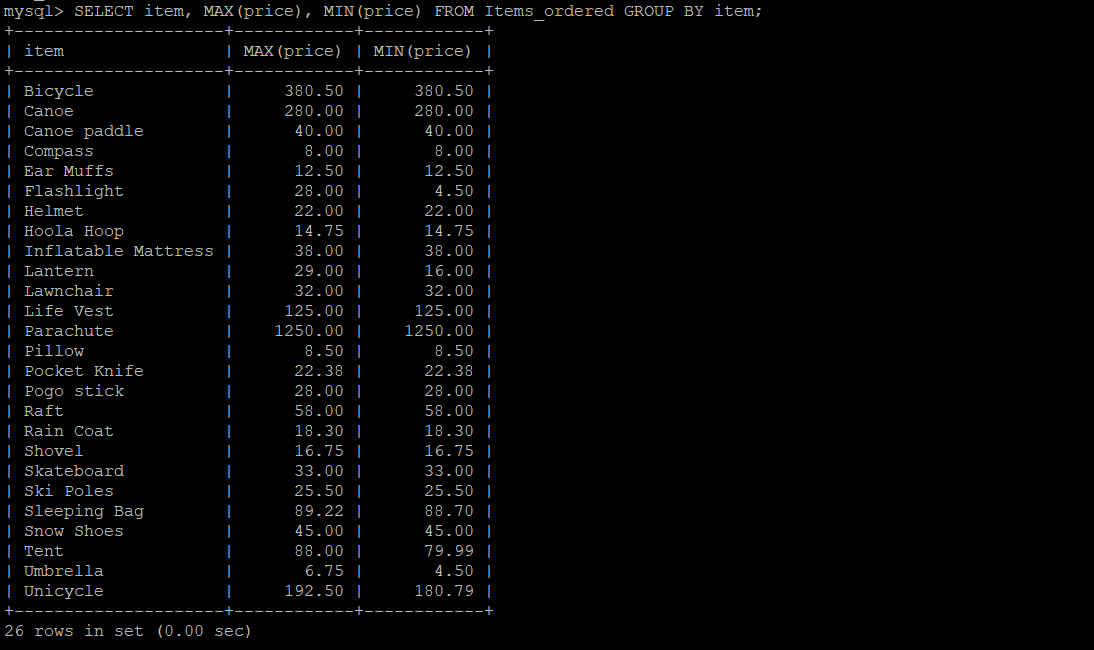
7)SELECT state, COUNT(\*)

FROM Customer

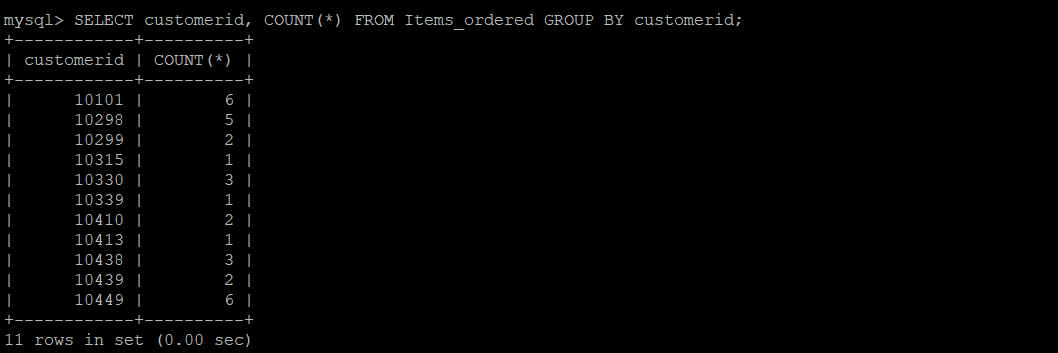
GROUP BY state;



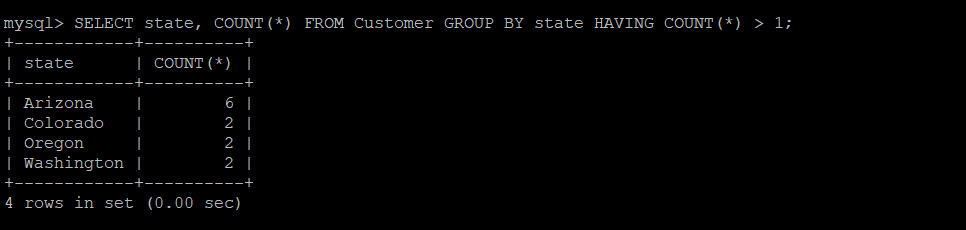
8)SELECT item, MAX(price), MIN(price) FROM Items\_ordered GROUP BY item;



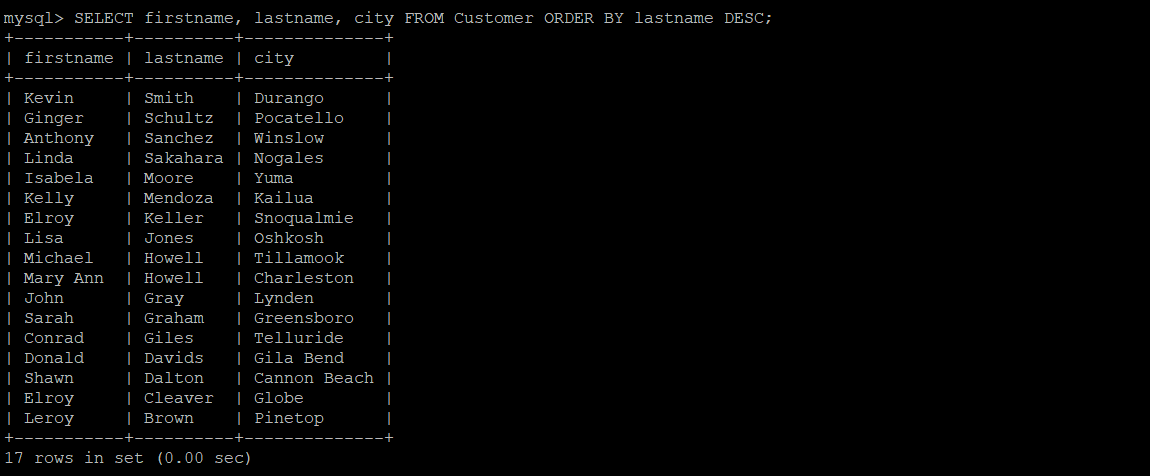
9)SELECT customerid, COUNT(\*) FROM Items\_ordered GROUP BY customerid;



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



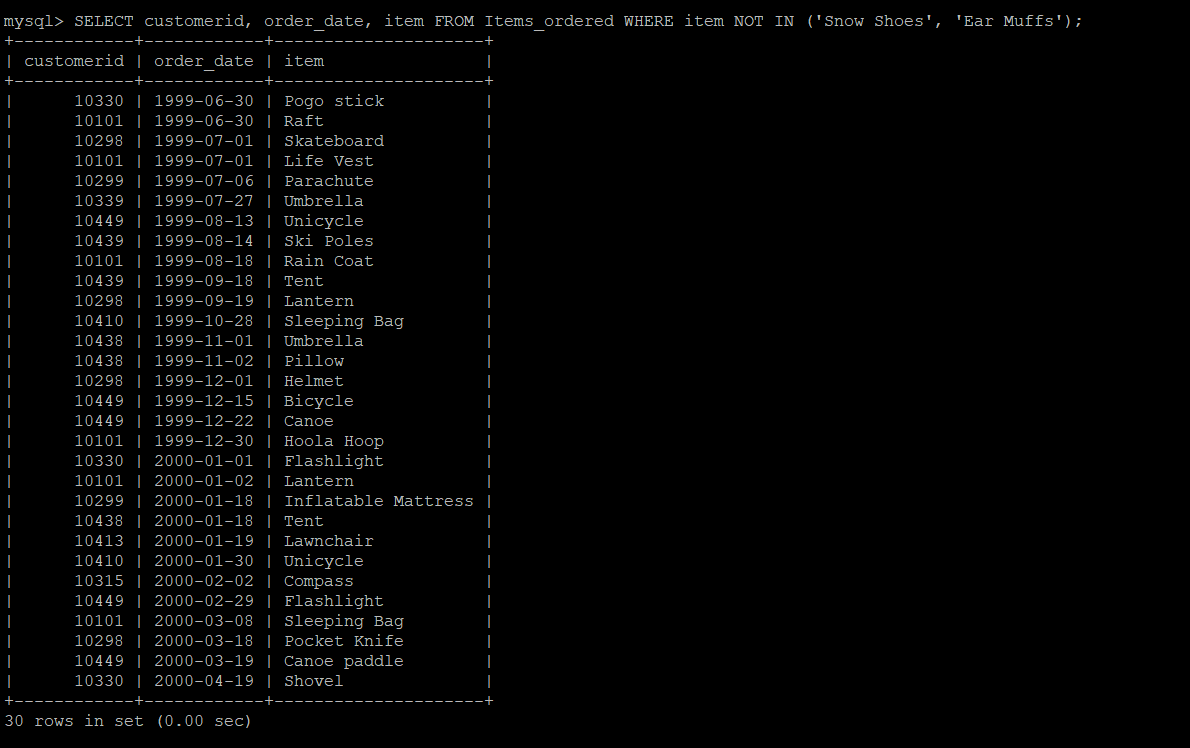
11)SELECT firstname, lastname, city FROM Customer ORDER BY lastname DESC;



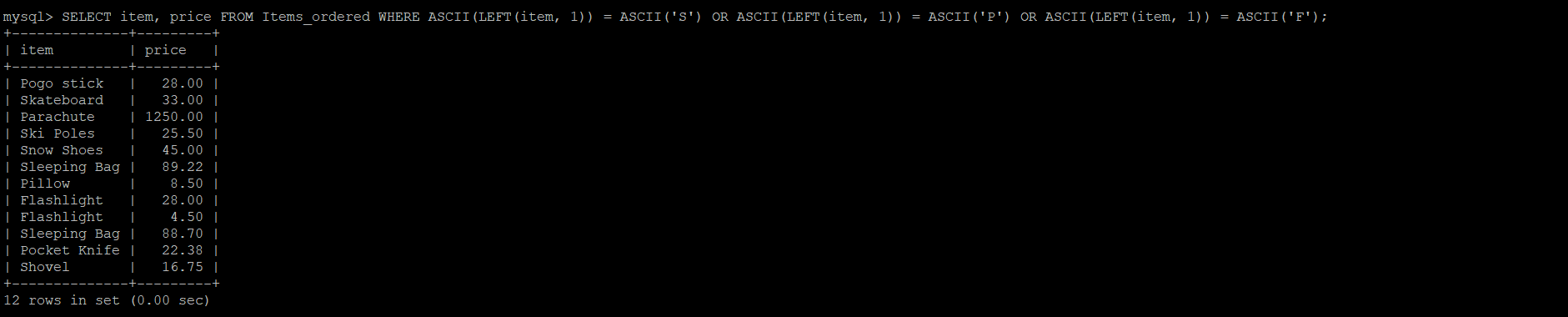
12)SELECT item, price FROM Items\_ordered WHERE price > 10 ORDER BY price;



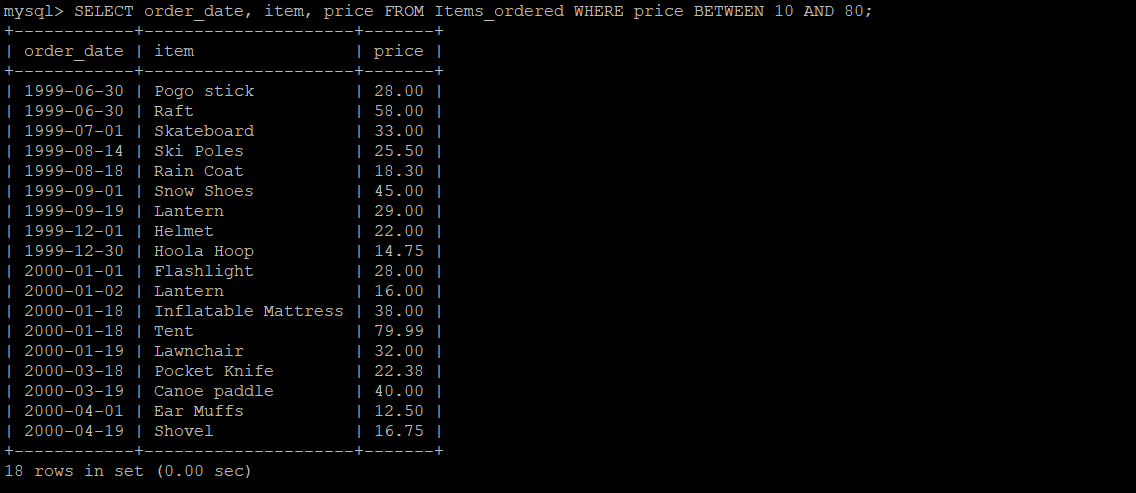
13)SELECT customerid, order\_date, item FROM Items\_ordered WHERE item NOT IN ('Snow Shoes', 'Ear Muffs');



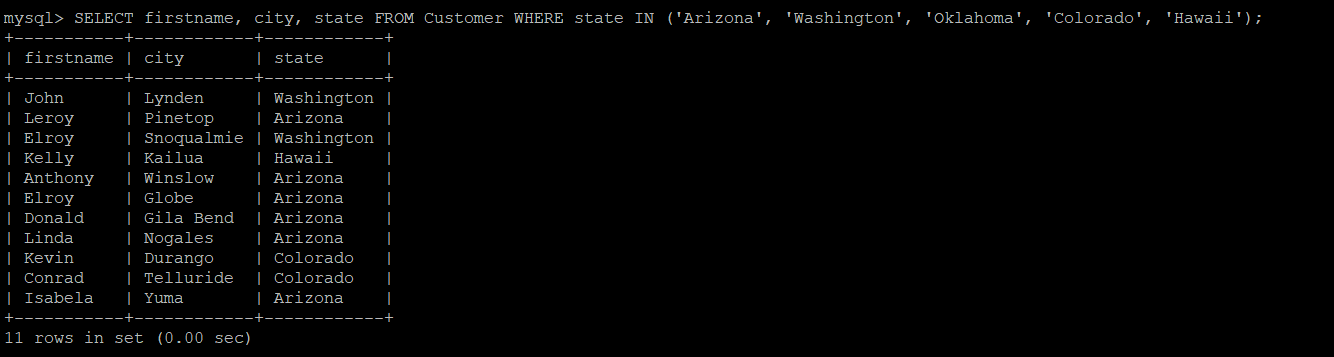
14)SELECT item, price FROM Items\_ordered WHERE ASCII(LEFT(item, 1)) = ASCII('S') OR ASCII(LEFT(item, 1)) = ASCII('P') OR ASCII(LEFT(item, 1)) = ASCII('F');



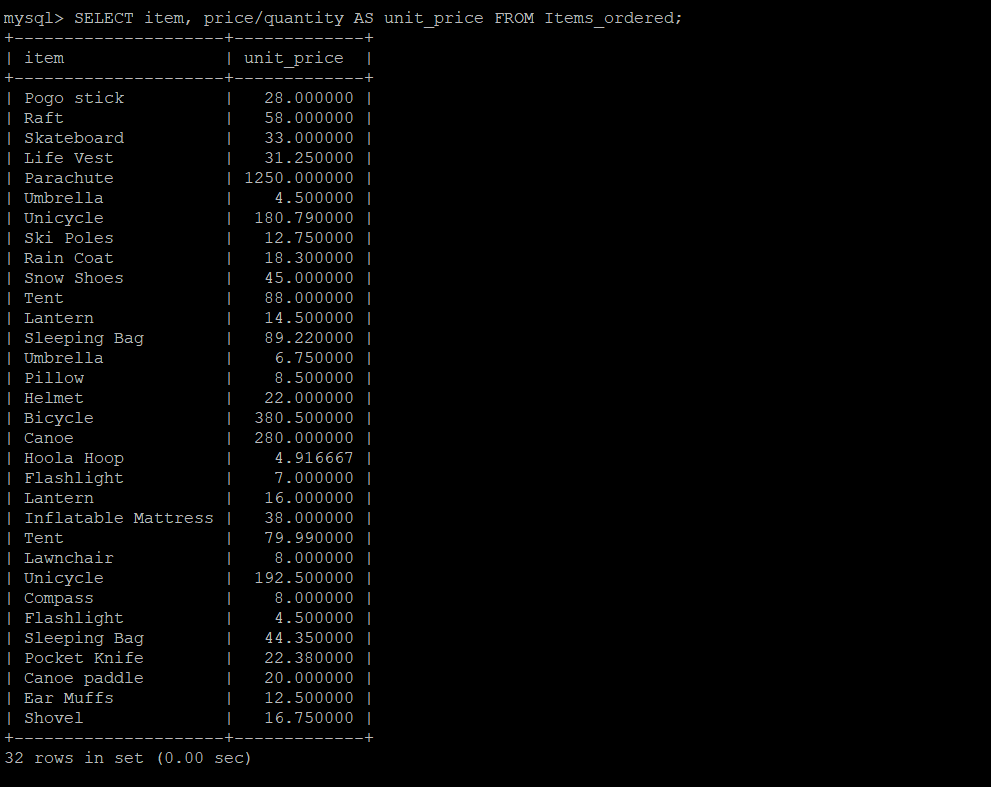
15)SELECT order\_date, item, price FROM Items\_ordered WHERE price BETWEEN 10 AND 80;



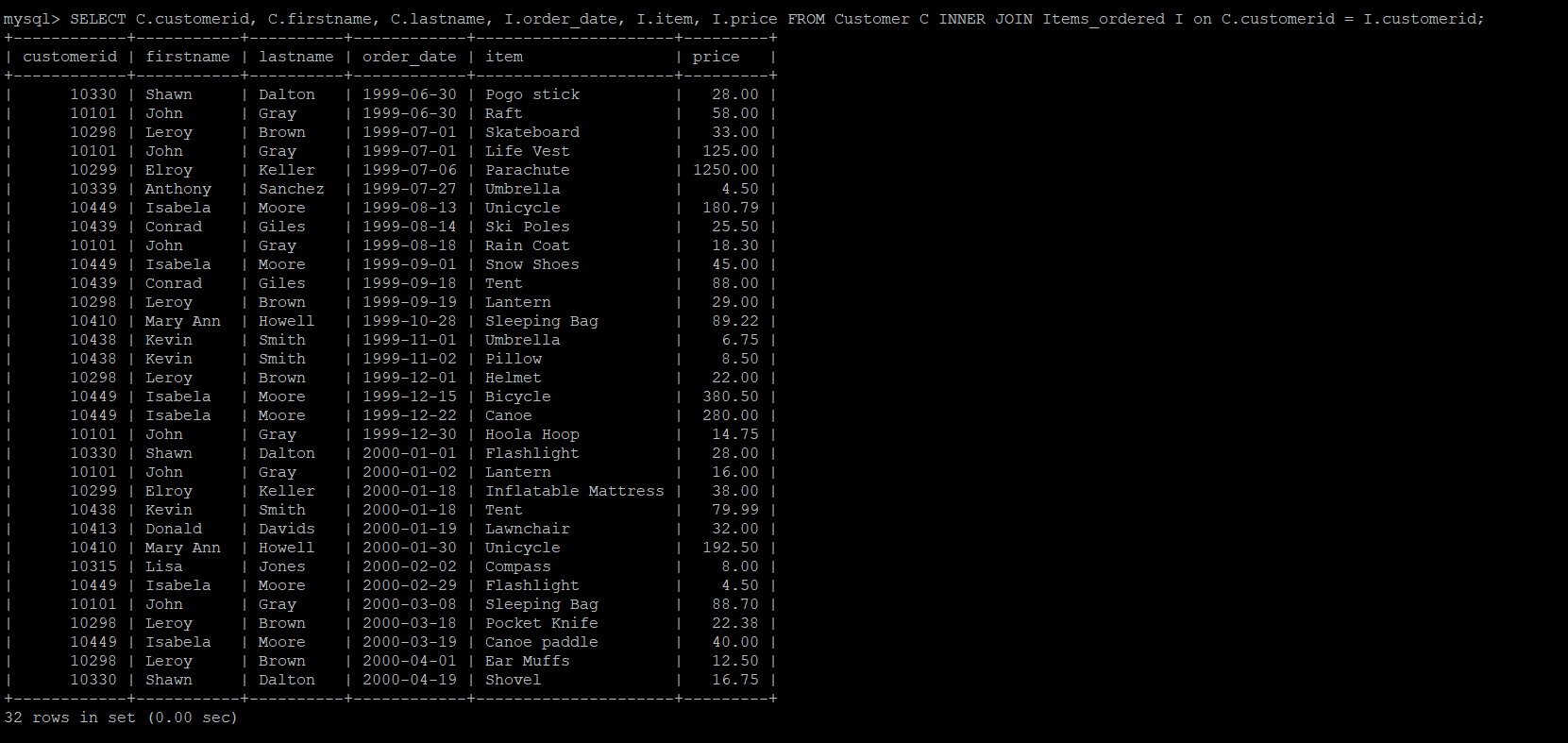
16)SELECT firstname, city, state FROM Customer WHERE state IN ('Arizona', 'Washington', 'Oklahoma', 'Colorado', 'Hawaii');



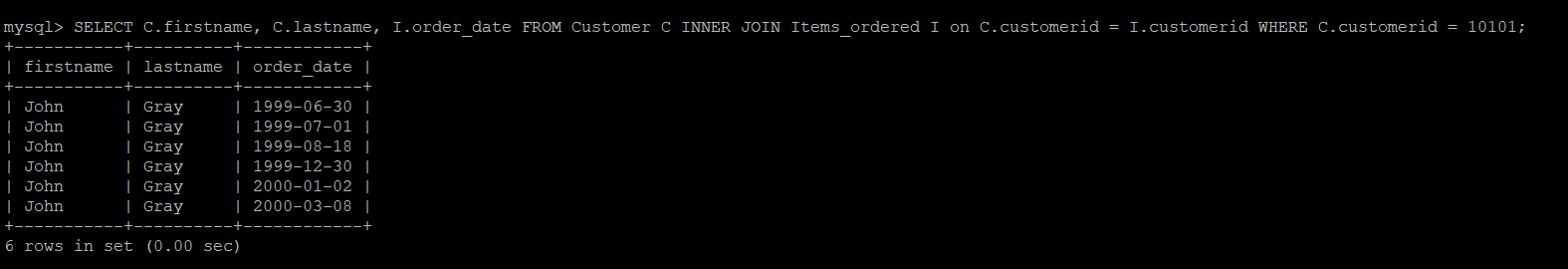
17)SELECT item, price/quantity AS unit\_price FROM Items\_ordered;



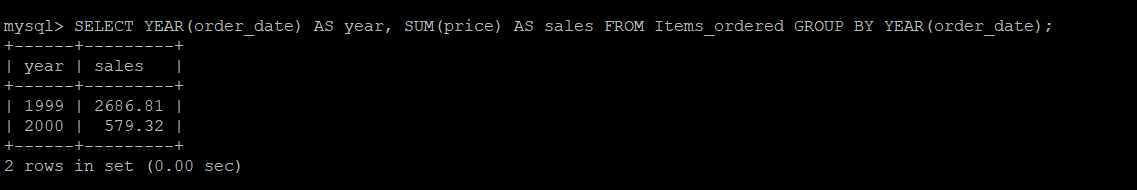
18)SELECT C.customerid, C.firstname, C.lastname, I.order\_date, I.item, I.price FROM Customer C INNER JOIN Items\_ordered I on C.customerid = I.customerid;



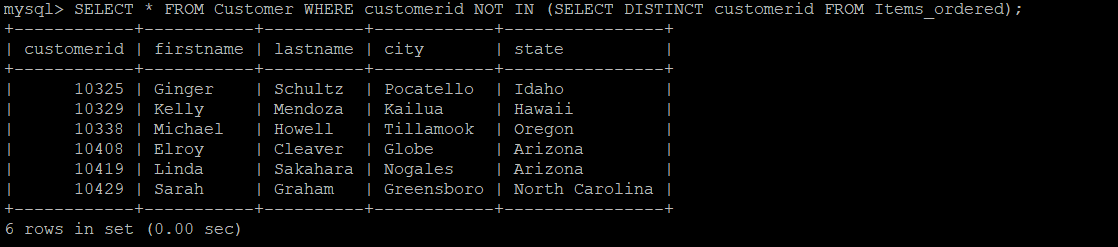
19)SELECT C.firstname, C.lastname, I.order\_date FROM Customer C INNER JOIN Items\_ordered I on C.customerid = I.customerid WHERE C.customerid = 10101;



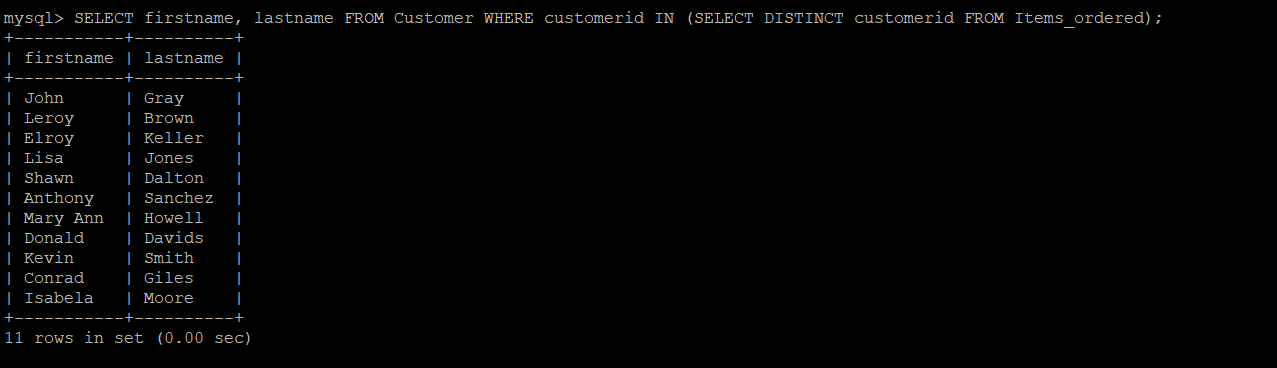
20)SELECT YEAR(order\_date) AS year, SUM(price) AS sales FROM Items\_ordered GROUP BY YEAR(order\_date);



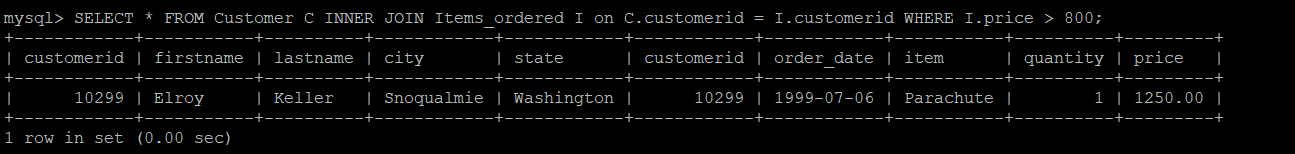
21)SELECT \* FROM Customer WHERE customerid NOT IN (SELECT DISTINCT customerid FROM Items\_ordered);



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



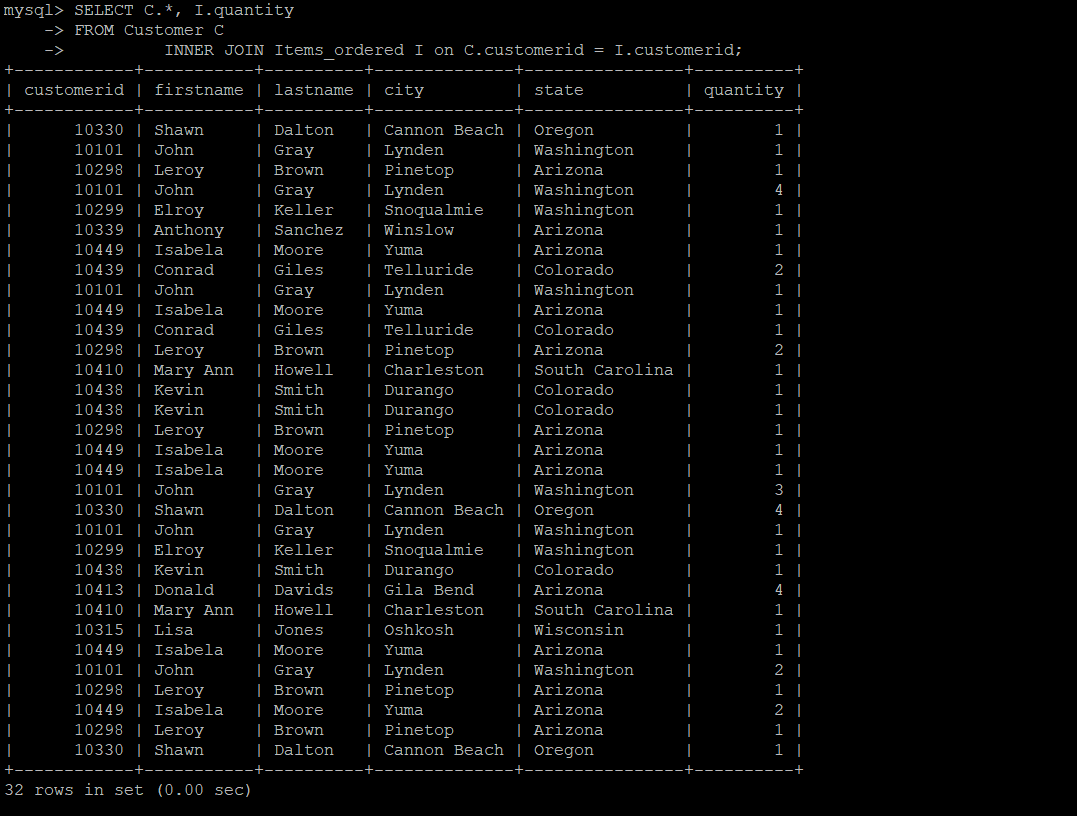
23)SELECT \* FROM Customer C INNER JOIN Items\_ordered I on C.customerid = I.customerid WHERE I.price > 800;



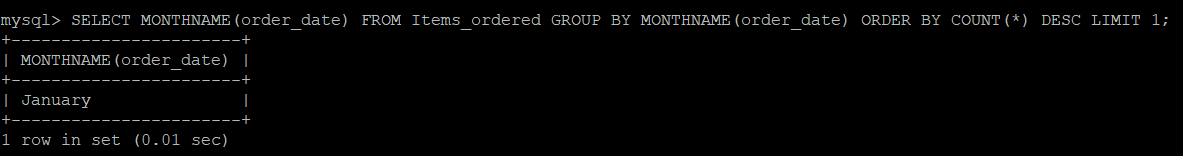
24)SELECT C.\*, I.quantity

FROM Customer C

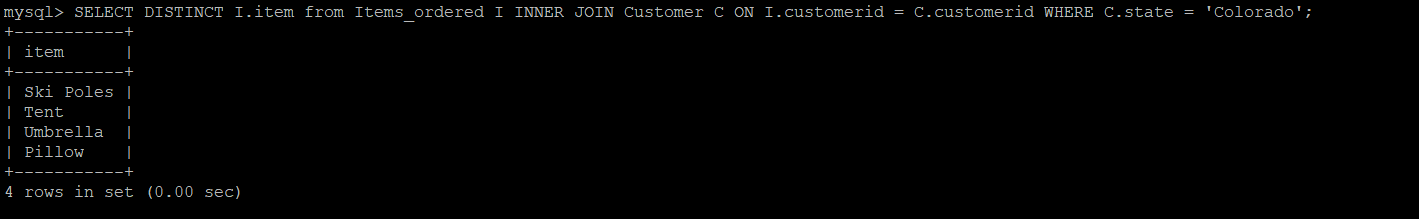
INNER JOIN Items\_ordered I on C.customerid = I.customerid;



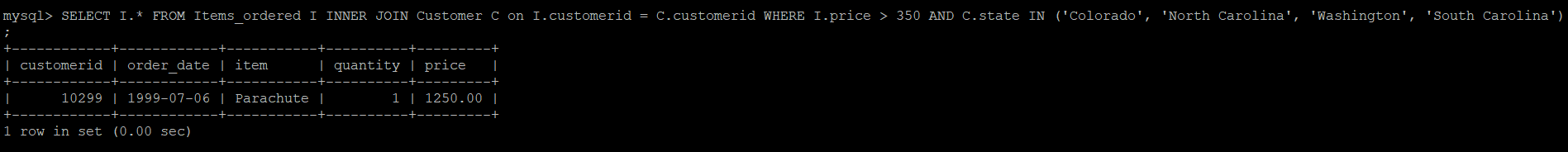
25)SELECT MONTHNAME(order\_date) FROM Items\_ordered GROUP BY MONTHNAME(order\_date) ORDER BY COUNT(\*) DESC LIMIT 1;



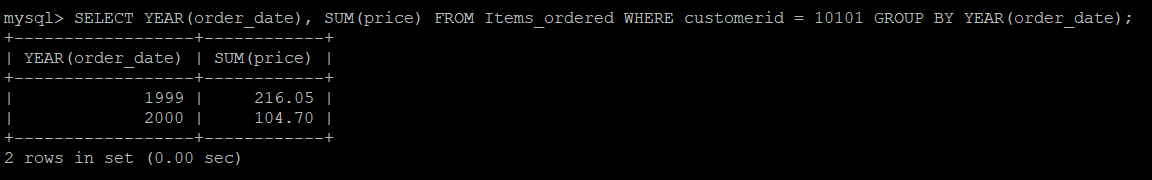
26)SELECT DISTINCT I.item from Items\_ordered I INNER JOIN Customer C ON I.customerid = C.customerid WHERE C.state = 'Colorado';



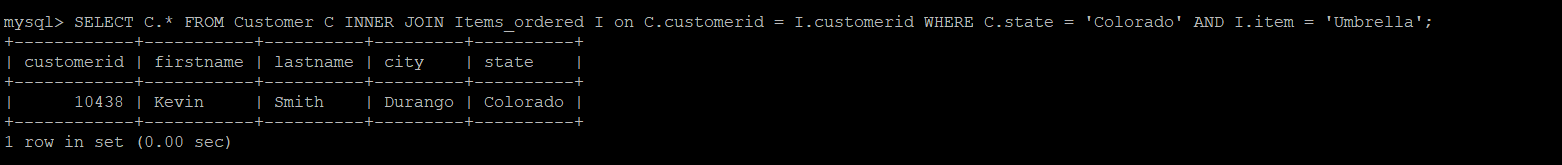
27)SELECT I.\* FROM Items\_ordered I INNER JOIN Customer C on I.customerid = C.customerid WHERE I.price > 350 AND C.state IN ('Colorado', 'North Carolina', 'Washington', 'South Carolina');



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



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



30)SELECT DISTINCT customerid FROM Items\_ordered WHERE YEAR(order\_date) IN (1999, 2000);

