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File : DBMS

AuthorName : Abhishek Tiwari

Description : Query to display all the details from orders table for those orders placed by robert

Version : 1.0

Date : 11/12/2017

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**Solution 1.a**

SQL> SELECT \* FROM orders

2 WHERE customer\_id=(SELECT customer\_id FROM customer

3 WHERE lower(customer\_name)='robert');

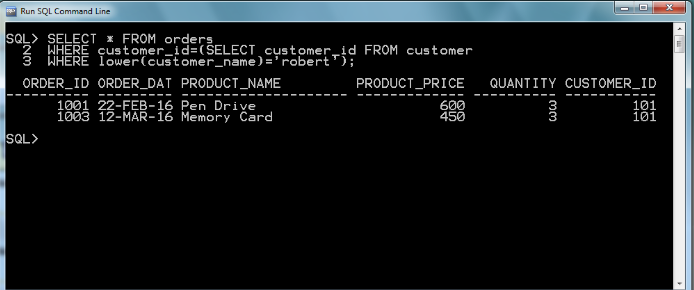
**Output**

ORDER\_ID ORDER\_DAT PRODUCT\_NAME PRODUCT\_PRICE QUANTITY CUSTOMER\_ID

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1001 22-FEB-16 Pen Drive 600 3 101

1003 12-MAR-16 Memory Card 450 3 101



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File : DBMS

AuthorName : Abhishek Tiwari

Description : Query to display product name for which maximum orders have been placed.

Version : 1.0

Date : 11/12/2017

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**Solution 1.b**

SQL> SELECT product\_name FROM orders

2 GROUP BY product\_name

3 HAVING sum(quantity)=(SELECT max(sum(quantity)) FROM orders

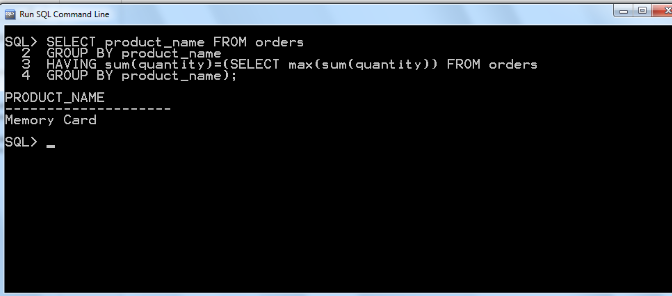
4 GROUP BY product\_name);

**output**

PRODUCT\_NAME

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Memory Card



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File : DBMS

AuthorName : Abhishek Tiwari

Description : Query to ensure that product name entered should be one of the following names only: PenDrive MemoryCard or speaker

Version : 1.0

Date : 11/12/2017

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**Solution 1.c**

SQL> ALTER TABLE orders

2 ADD CONSTRAINT chk\_product

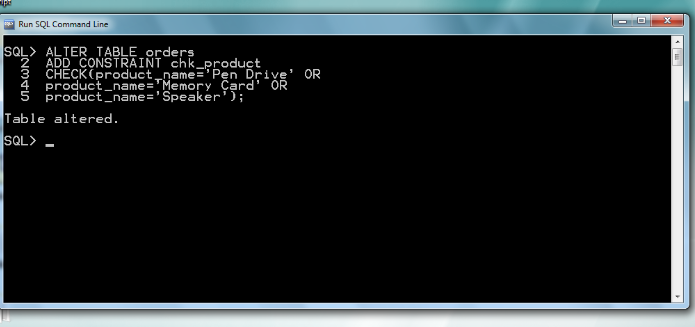
3 CHECK(product\_name='Pen Drive' OR

4 product\_name='Memory Card' OR

5 product\_name='Speaker');

**Output**

Table altered.



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File : DBMS

AuthorName : Abhishek Tiwari

Description : Insert commands

Version : 1.0

Date : 11/12/2017

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**Solution 2**

SQL> INSERT INTO orders VALUES(order\_id\_seq.nextval,'&order\_dat','&product\_name'

,&product\_price,&quantity,&customer\_id);

Enter value for order\_dat: 22-Sep-2017

Enter value for product\_name: Pen Drive

Enter value for product\_price: 300

Enter value for quantity: 2

Enter value for customer\_id: 101

old 1: INSERT INTO orders VALUES(order\_id\_seq.nextval,'&order\_dat','&product\_n

ame',&product\_price,&quantity,&customer\_id)

new 1: INSERT INTO orders VALUES(order\_id\_seq.nextval,'22-Sep-2017','Pen Drive

',300,2,101)

1 row created.

SQL> INSERT INTO orders VALUES(order\_id\_seq.nextval,'&order\_dat','&product\_name'

,&product\_price,&quantity,&customer\_id);

Enter value for order\_dat: 12-Oct-2017

Enter value for product\_name: Memory Card

Enter value for product\_price: 400

Enter value for quantity: 5

Enter value for customer\_id: 105

old 1: INSERT INTO orders VALUES(order\_id\_seq.nextval,'&order\_dat','&product\_n

ame',&product\_price,&quantity,&customer\_id)

new 1: INSERT INTO orders VALUES(order\_id\_seq.nextval,'12-Oct-2017','Memory Ca

rd',400,5,105)

1 row created.

