



i Follow up. Start by Thursday, September 18, 2025. Due by Thursday, September 18, 2025.

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"MY-Cameras" is an online store that has varieties of cameras for their customers and want to store the transaction details between customers and them. To manage the cameras, customers, and transaction details the following database schema has been designed.

Table: camera

The camera table provides the details of all the cameras.

Column Name	Data resolution and Size	Constraints	Description
cameraid	CHAR(5)	[PRIMARY KEY, CHECK unique camera id, starts with 'CM'	
brand	VARCHAR2(30)	NOT NULL	brand of the camera
resolution	CHAR(5)	NOT NULL	video resolution of the camera
quantityavailable	NUMBER	NOT NULL	quantity of the cameras available in the store
price	NUMBER	CHECK	price per camera in USD and it should be more than 0

Table: customer

The customer table provides the details of all the customers.

Column Name	Data resolution and Size	Constraints	Description
customerid	CHAR(4)	[PRIMARY KEY, CHECK unique customer id, starts with 'C'	
customername	VARCHAR2(25)	NOT NULL	name of the customer
phonenumber	NUMBER(10)		phone number of the customer
emailid	VARCHAR2(25)	NOT NULL	email id of the customer
city	VARCHAR2(10)	NOT NULL	city of the customer

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7:29

9/19/20



Follow up. Start by Thursday, September 10, 2025. Due by Thursday, September 10, 2025.

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city

VARKALA(TU)

NOT NULL

city of the customer

Table: transaction

The transaction table provides the details of cameras purchased by the customers.

Column Name	Data resolution and Size	Constraints	Description
transactionid	NUMBER		PRIMARY KEY unique id of transaction
cameraid	CHAR(5)		FOREIGN KEY existing cameraid present in camera table
customerid	CHAR(4)		FOREIGN KEY existing customerid present in customer table
quantityordered	NUMBER(2)	NOT NULL	quantity of cameras purchased by the customer
transactiondate	DATE		date on which customer has purchased the camera

Sample data for camera table:

cameraid	brand	resolution	quantity	available price
CM101	Fujifilm	2160p	25	1200
CM102	Canon	1080p	45	480
CM103	Panasonic	1080p	35	820
CM104	Nikon	1080p	25	850
CM105	Sony	2160p	45	750

Sample data for customer table:

customerid customername phonenumbers

emailid

city

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Sample data for customer table:

customerid	customername	phonenumber	emailid	city
C101	John	7282894291	john@abc.com	Seattle
C102	Jenny	9484599241	jenny@abc.com	Houston
C103	Rony	9728289428	rony@xyz.com	Seattle
C104	Kate	9450363475	kate@srt.com	New York
C105	William	9460670235	william@abc.com	Chicago
C106	Clark	9234444487	clark@xyz.com	Austin

Sample data for transaction table:

transactionid	cameraid	customerid	quantityordered	transactiondate
101	CM101	C101	2	03-NOV-21
102	CM101	C102	3	22-SEP-21
103	CM103	C101	1	24-APR-21
104	CM102	C104	5	10-JUL-21
105	CM103	C103	2	04-JAN-21
106	CM105	C103	4	03-OCT-21
107	CM103	C105	5	26-JUN-21
108	CM104	C106	6	04-JUL-21

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Dbms practice problem



HariniP .

To MYS-Jul25-SET2-Generic-D

Reply Reply All Forward

Wed 9/17/2025 11:34 AM

Do Not Forward

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Write SQL Queries for the following

Important Note: For the given requirements, display UNIQUE records wherever applicable

A. Display the combination of cameraid and brand separated with a hyphen ('-') as "CAMERA-NAME" (column alias) and resolution of the camera(s) whose quantity available in the store is 35 or more and their brand contains more than 4 characters. For the given sample data, the following record will feature as part of the output along with other record(s).

CAMERA-NAME RESOLUTION

CM102-Canon 1080p

Export to Sheets

B. Display customerid and number of transactions made by each customer as "CAMERAS" (column alias), who ordered 2 or more cameras per transaction and the customer(s) who made more than one transaction. For the given sample data, the following is the expected output.

CUSTOMERID CAMERAS

C103 2

 Do Not Forward

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C. Display customername and city of different customers from the same city.

For the given sample data, the following is the expected output.

CUSTOMERNAME	CITY
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John	Seattle
Rony	Seattle

D. Display cameraid, brand and price of those camera(s) whose brand doesn't contain 'a' in second position and price is greater than or same as the average price of all the cameras.

For the given sample data, the following record will feature as part of the output along with other record(s).

CAMERAID BRAND PRICE

CM101	Fujifilm	1200
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Search



120%

7:30 PM

9/19/2025