

**Table Structure: Gadget**

<b>Column Name</b>	<b>Data Type and Size</b>	<b>Constraints</b>	<b>Description</b>
gadgetid	VARCHAR2(4)	PRIMARY KEY, CHECK	unique id of gadget starts with 'G'
model	VARCHAR2(25)	NOT NULL	model of the gadget
brand	VARCHAR2(15)		brand of the gadget
capacity	NUMBER(5)		capacity of the gadget in GiGa Byte(GB)
price	NUMBER(8,2)	NOT NULL	Actual price of the gadget in INR

**Table Structure: Gadget**

gadgetid	model	brand	capacity	price
G101	iPhone 11	Apple	128	70000.2
G102	Note 10 Pro	Redmi	64	20000.3
G103	MacBook Air	Apple	128	90000.5
G104	ProBook	HP	16	85000.56
G105	Inspiron 15 Plus	Dell	8	85000.78
G106	Nord CE	HP	256	28000.89

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(i) Follow up. Start by Friday, September 19, 2025. Due by Friday, September 19, 2025.

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### Table Structure: Customer

Column Name	Data Type and Size	Constraints	Description
customerid	VARCHAR2(4)	PRIMARY KEY, CHECK	unique id of the customer, starts with 'C'
customername	VARCHAR2(10)	NOT NULL	name of the customer
email	VARCHAR2(20)	UNIQUE	email id of the customer
city	VARCHAR2(15)		City where the customer resides
membership	CHAR(1)	CHECK	membership status of the customer, should be either 'Y' or 'N'. Here, 'Y': Yes and 'N': No

### Table Data: Purchase

customerid	customername	email	city	membership

[membership](#)[CHAR\(1\)](#)[CHECK](#)

be either 'Y' or 'N'. Here, 'Y': Yes and 'N': No

### Table Data: Purchase

customerid	customername	email	city	membership
C201	Ashley	<a href="mailto:ashley12@abc.com">ashley12@abc.com</a>	Seattle	Y
C202	Stewart	[email address removed]	Phoenix	N
C203	Bailey	<a href="mailto:bailey@abc.com">bailey@abc.com</a>	Miami	Y
C204	Tristan	<a href="mailto:tristan@xyz.com">tristan@xyz.com</a>	Atlanta	N
C205	Daphne	<a href="mailto:daphneee@abc.com">daphneee@abc.com</a>	Seattle	N
C206	Georgia	<a href="mailto:georgy@xyz.com">georgy@xyz.com</a>	Miami	Y
C207	Rex	<a href="mailto:rex@abc.com">rex@abc.com</a>	Phoenix	N
C208	Maxwell	[email address removed]	Miami	Y

### Table Structure: Purchase

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### Table Structure: Purchase

Column Name	Data Type and Size	Constraints	Description
purchaseid	NUMBER(4)	PRIMARY KEY	unique id of the purchase
gadgetid	VARCHAR2(4)	FOREIGN KEY	Existing gadgetid of the gadget table
customerid	VARCHAR2(4)	FOREIGN KEY	Existing customerid of the customer table
paymentmode	VARCHAR2(8)	CHECK, NOT NULL	Mode of payment for the purchase, should be either 'Cash', 'Card' or 'Online'
dateofpurchase	DATE		Date when the gadget is purchased
discountpercent	NUMBER(2)		Discount offered on the gadget in percentage (%)

### Table Data: Purchase

purchaseid	gadgetid	customerid	dateofpurchase	discountpercent
1	1	1	2025-09-18	10



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### Table Data: Purchase

purchaseid	gadgetid	customerid	paymentmode	dateofpurchase	discountpercent
8001	G103	C208	Cash	24-Jul-19	10
8002	G106	C203	Online	28-Mar-19	20
8003	G104	C206	Card	21-Oct-20	13
8004	G103	C205	Online	03-Jan-19	14
8005	G105	C201	Cash	02-Sep-20	5
8006	G101	C204	Card	20-Apr-20	16
8007	G104	C208	NULL	05-Jun-19	10

A:

Display the numeric part of gadgetid as "GADGET" (column alias), model and brand of those gadget(s) that have price greater than 60000. For the given sample data, following is the expected output.



HariniP.

To MYS-Jul25-SET2-Generic-D



Reply

Reply All

Forward

...

Fri 9/19/2025 2:11 PM

 Do Not Forward

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8007	G104	C208	NULL	05-Jun-19	10
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**A:**

Display the numeric part of gadgetid as "GADGET" (column alias), model and brand of those gadget(s) that has capacity more than 64 GB and price less than 60000. For the given sample data, following is the expected output.

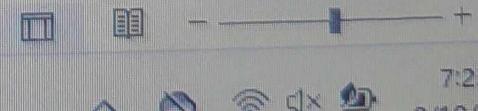
Note: For the given requirement, display UNIQUE records wherever applicable.

### Sample Output

GADGET	MODEL	BRAND
106	Nord CE	HP

**B:**

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7:23



ACE Scanner



HariniP .

To MYS-Jul25-SET2-Generic-D

Reply Reply All Forward

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**B:**

For each membership type, identify the number of customer(s) who reside in either 'Seattle' or 'Miami'. Display membership and number of customers as "NOOFCUSTOMERS" (column alias) for the identified records.

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

Note: For the given requirement, display UNIQUE records wherever applicable.

I

**Sample Output**

MEMBERSHIP	NOOFCUSTOMERS
Y	4

**C:**

Display customername and city of the customers who reside in the same city.

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Do Not Forward

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C:

Display customername and city of the customers who reside in the same city.

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

Note: For the given requirement, display UNIQUE records wherever applicable.

### Sample Output

CUSTOMERNAME	CITY
Rex	Phoenix
Stewart	Phoenix

H

HariniP.

To MYS-Jul25-SET2-Generic-D



Reply

Reply All

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**D:**

Display purchaseid and paymentmode for the purchase(s) having discountpercent more than the lowest discountpercent applicable on any purchase made through 'Card'.

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

Note: For the given requirement, display UNIQUE records wherever applicable.

I

**Sample Output**

PURCHASEID	PAYMENTMODE
8002	Online
8006	Card

**E:**

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E:

For every gadget whose price is less than the average price of all 'HP' brand gadgets, display gadgetid and the corresponding purchaseid as "PURCHASEID" (column alias). Display 0 in PURCHASEID for the identified gadgets, that are not yet purchased.

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

Note: For the given requirement, display UNIQUE records wherever applicable.

### Sample Output

GADGETID	PURCHASEID
G102	0
G106	8002

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110

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9/19/2025

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UNO 800Z

F:

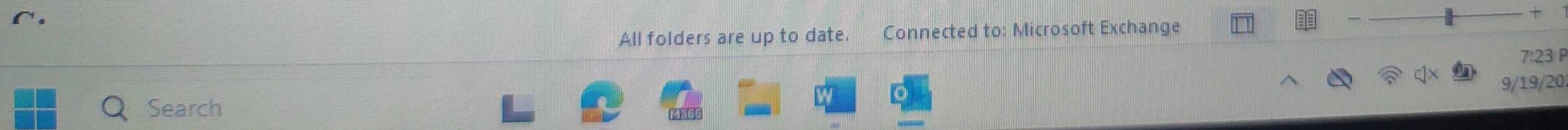
Identify the customer(s) who have purchased highest number of gadgets. Display customerid and customername of the identified customers.

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

Note: For the given requirement, display UNIQUE records wherever applicable.

### Sample Output

CUSTOMERID	CUSTOMERNAME
C206	Georgia



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C200

Georgia

G:

Identify the gadgets that are purchased at a discountpercent which is same as the least discountpercent offered on any gadget whose capacity is 128 GB. For the identified gadgets, display model, actual price and the price applicable on the gadget after applying discountpercent as "PRICEAFTERDISCOUNT" (column alias). For the given sample data, following is the expected output.

Note: For the given requirement, display UNIQUE records wherever applicable.

### Sample Output

MODEL	PRICE	PRICEAFTERDISCOUNT
ProBook	85000.56	76500.504
MacBook Air	90000.5	81000.45

H.

All folders are up to date.

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9/19/2025



Search



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H:

Identify the customer(s) who neither resides in 'Seattle' nor in 'Phoenix' and have purchased the gadget(s) whose price is highest amongst each brand. Display gadgetid, customername, dateofpurchase and highest price as "MAXPRICE" (column alias) for the identified gadget(s) and their customer(s).

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

Note: For the given requirement, display UNIQUE records wherever applicable.

### Sample Output

GADGETID	CUSTOMERNAME	DATEOFPURCHASE	MAXPRICE
G103	Maxwell	24-Jul-19	90000.5
G104	Georgia	21-Oct-20	85000.56

