

## Comp1168 LabNo03

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### Question1

use om;

SELECT

customer\_id,

customer\_first\_name,

customer\_last\_name,

LEFT(customer\_first\_name, 1) AS FirstInitial,

LEFT(customer\_last\_name, 1) AS LastInitial

FROM

om.customers;

customer_id	customer_first_name	customer_last_na...	FirstInitial	LastInitial
1	Korah	Blanca	K	B
2	Yash	Randall	Y	R
3	Johnathon	Millerton	J	M
4	Mikayla	Damion	M	D
5	Kendall	Mayte	K	M

## Question2

use om;

SELECT

customer\_id,

CONCAT(customer\_first\_name, ' ', customer\_last\_name) AS  
CustomerFullName,

CONCAT(LEFT(customer\_first\_name, 1), '.', LEFT(customer\_last\_name, 1)) AS  
NameInitials

FROM

om.customers;

customer_id	CustomerFullName	NameInitials
1	Korah, Blanca	K.B
2	Yash, Randall	Y.R
3	Johnathon, Millerton	J.M
4	Mikayla, Damion	M.D
5	Kendall, Mayte	K.M

## Question3

use om;

SELECT

customer\_id,

CONCAT\_WS(' ', customer\_first\_name, customer\_last\_name) AS  
CustomerFullName,

CONCAT\_WS('.', LEFT(customer\_first\_name, 1), LEFT(customer\_last\_name, 1))  
AS NameInitials

FROM

om.customers;

customer_id	CustomerFullName	NameInitials
1	Korah Blanca	K.B
2	Yash Randall	Y.R
3	Johnathon Millerton	J.M
4	Mikayla Damion	M.D
5	Kendall Mayte	K.M

#### Question4

use ap;

SELECT

vendor\_id,

vendor\_name,

CHARACTER\_LENGTH(vendor\_name) AS NameLength

FROM

ap.vendors

ORDER BY

NameLength;

vendor_id	vendor_name	NameLength
34	IBM	3
93	AT&T	4
30	Costco	6
83	Ingram	6
64	Texaco	6

### Question5

use ap;

SELECT

vendor\_name,

vendor\_state,

vendor\_Phone

FROM

ap.vendors

ORDER BY

LENGTH(vendor\_name);

vendor_name	vendor_state	vendor_Phone
IBM	CA	(800) 555-4426
AT&T	AZ	NULL
Costco	CA	NULL
Texaco	CA	NULL
Ingram	TX	NULL

### Question6

use ex;

SELECT emp\_name,

SUBSTRING\_INDEX(emp\_name, ' ', 1) AS first\_name,

SUBSTRING\_INDEX(emp\_name, ' ', -1) AS last\_name

FROM string\_sample;

emp_name	first_name	last_name
Lizbeth Darien	Lizbeth	Darien
Darnell O'Sullivan	Darnell	O'Sullivan
Lance Pinos-Potter	Lance	Pinos-Potter
Jean Paul Renard	Jean	Renard
Alisha von Strump	Alisha	Strump

### Question7

use ap;

SELECT

vendor\_name, vendor\_phone,

REPLACE(REPLACE(vendor\_phone, '(', ''), ')', '') AS VendorPhone

FROM vendors ORDER BY vendor\_name;

vendor_name	vendor_phone	VendorPhone
Abbey Office Furnishings	(559) 555-8300	559 555-8300
American Booksellers Assoc	(800) 555-0037	800 555-0037
American Express	(800) 555-3344	800 555-3344
ASC Signs	NULL	NULL
Ascom Hasler Mailing Systems	NULL	NULL

### Question8

use ex;

SELECT

CAST(emp\_id AS SIGNED) AS Empld,

emp\_name

FROM

string\_sample

ORDER BY

CAST(emp\_id AS SIGNED);

Empld	emp_name
1	Lizbeth Darien
2	Darnell O'Sullivan
3	Alisha von Strump
17	Lance Pinos-Potter
20	Jean Paul Renard

### Question9

use om;

SELECT

title AS AlbumName,

unit\_price,(unit\_price / 2) AS "unit\_price/2",

ROUND(unit\_price / 2, 2) AS DiscountedPrice

FROM

items;

AlbumName	unit_price	unit_price...	DiscountedPri...
Umami In Concert	17.95	8.975000	8.98
Race Car Sounds	13.00	6.500000	6.50
No Rest For The Weary	16.95	8.475000	8.48
More Songs About Structures and Comestibles	17.95	8.975000	8.98
On The Road With Burt Ruggles	17.50	8.750000	8.75

### Question10

SELECT

current\_date() AS 'current\_date()',

DATE\_FORMAT(current\_date(), '%m/%d/%y') AS 'MM/DD/YY',

DATE\_FORMAT(current\_date(), '%d-%b-%Y') AS 'DD-MON-YYYY',

DATE\_FORMAT(current\_date(), '%W, %M %D, %Y') AS 'Weekday, Month-YYYY',

DATEDIFF(

CONCAT(YEAR(current\_date()), '-07-01'),

current\_date()

) AS 'Days to Canada Day';

current_dat...	MM/DD/YY	DD-MON-YYYY	Weekday, Month-YYYY	Days to Canada Day
2024-01-26	01/26/24	26-Jan-2024	Friday, January 26th, 2024	157

### Question11

SELECT

current\_date, DATEDIFF( DATE\_FORMAT(current\_date(), '%Y-07-01') + INTERVAL  
(current\_date() > DATE\_FORMAT(current\_date(), '%Y-07-01')) YEAR,

current\_date()

) AS days\_until\_canada\_day;

current_da...	days_until_canada_d...
2024-01-26	157