***LAB 6 WEEK9***

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-- Question 1

CREATE DATABASE Lab6Schema;

CREATE TABLE Lab6Schema.lab6 (

ID INT NOT NULL,

FirstName VARCHAR(45) NULL,

LastName VARCHAR(45) NULL,

Address VARCHAR(45) NULL,

PhoneNo VARCHAR(45) NULL,

PRIMARY KEY (ID));

INSERT INTO Lab6Schema.lab6 VALUES

(1001,'Andy','Maxwell','123 Any Street','415-415-5000'),

(1002,'Sandy','Chen','321 For Street','604-111-5000');

-- Question 2

UPDATE Lab6schema.lab6

SET Address = '789 my street TORONTO'

WHERE ID = 1002;

-- Question 3

DELETE FROM Lab6Schema.lab6

WHERE ID = 1001;

-- Question 4

DROP TABLE Lab6Schema.lab6;

-- Question 5

CREATE TABLE Lab6Schema.OverdueInvoices AS

SELECT invoice\_number, (Invoice\_total - Payment\_total - credit\_total) AS Balance

FROM ap.invoices

WHERE (Invoice\_total - Payment\_total - credit\_total) >0;

-- Question 6

SELECT start\_date,

date\_format(start\_date, '%b/%d/%y') AS 'mmm/dd/yy',

date\_format(start\_date, '%c/%e/%y') AS 'mm/dd/yy',

date\_format(start\_date, '%1:%i %p') AS 'time\_12hr',

date\_format(start\_date, '%c/%e/%y %1:%i %p' ) AS 'Date and Time'

FROM ex.date\_sample;

-- Question 7

SELECT invoice\_number, invoice\_date,

DATE\_ADD(invoice\_date, INTERVAL 30 DAY) AS InvdDate\_plus\_30Days,

payment\_date,

DATEDIFF(payment\_date,invoice\_date) AS days\_to\_pay,

MONTH (invoice\_date) AS months\_to\_pay,

YEAR(invoice\_date) AS years\_to\_pay

FROM ap.invoices;

-- Question 8

SELECT emp\_name,

SUBSTR(emp\_name,1, LOCATE(' ',emp\_name,1)-1) AS FirstName,

SUBSTR(emp\_name, LOCATE(' ',emp\_name,1)+1) AS LastName

FROM ex.string\_sample;

-- Question 9

SELECT invoice\_number,

(Invoice\_total - Payment\_total - credit\_total) AS Balance,

CASE (Invoice\_total - Payment\_total - credit\_total)

WHEN 0 THEN 'Paid in Full'

ELSE 'Balance Due'

END AS payment\_status

FROM ap.invoices

ORDER BY invoice\_number;

-- Question 10

SELECT UPPER(vendor\_name) AS 'Vendor Name',

IFNULL(vendor\_phone,'No Phone Provided') AS 'Phone Number'

FROM ap.vendors;