**Comp1168 LabNo06**

Name: Lopes Mafra, Breno

CRN: 50143

Student Id: 101485572

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**Question1**

CREATE DATABASE IF NOT EXISTS Lab6Schema;

USE Lab6Schema;

CREATE TABLE IF NOT EXISTS table6 (

Id INT,

FirstName VARCHAR(255),

LastName VARCHAR(255),

Address VARCHAR(255),

PhoneNo VARCHAR(255),

PRIMARY KEY (Id)

);

INSERT INTO table6 (Id, FirstName, LastName, Address, PhoneNo) VALUES

(1001, 'Andy', 'Maxwell', '123 Anywhere St.', '416-415-5000'),

(1002, 'Sandy', 'Chen', '321 Forward St.', '604-111-2222');

SELECT \* FROM table6;

**Question2**

UPDATE table6 SET Address = '789 my street Toronto' WHERE FirstName = 'Sandy' AND LastName = 'Chen';

**Question3**

DELETE FROM table6 WHERE FirstName = 'Andy' AND LastName = 'Maxwell';

**Question4**

DROP TABLE IF EXISTS table6;

**Question5**

USE Lab6Schema;

SELECT

invoice\_number,

(invoice\_total - payment\_total - credit\_total) AS Balance

FROM

ap.invoices;

**Question6**

SELECT

start\_date,

DATE\_FORMAT(start\_date, '%b %d/%y') AS mmm\_dd\_yy,

DATE\_FORMAT(start\_date, '%m/%d/%y') AS mm\_dd\_yy,

DATE\_FORMAT(start\_date, '%l:%i %p') AS time\_12hr,

DATE\_FORMAT(start\_date, '%m/%d/%y %l:%i %p') AS date\_and\_time

FROM

ex.date\_sample;

**Question7**

SELECT

invoice\_number,

invoice\_date,

DATE\_ADD(invoice\_date, INTERVAL 30 DAY) AS InvoiceDate\_plus\_30\_days,

payment\_date,

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

MONTH(payment\_date) AS month,

YEAR(payment\_date) AS year

FROM

ap.invoices

WHERE

payment\_date IS NOT NULL;

**Question8**

SELECT

emp\_name,

SUBSTRING\_INDEX(emp\_name, ' ', 1) AS `First Name`,

TRIM(SUBSTRING(emp\_name FROM LOCATE(' ', emp\_name) + 1)) AS `Last Name`

FROM

ex.string\_sample;

**Question9**

SELECT

invoice\_number,

(invoice\_total - payment\_total - credit\_total) AS Balance,

CASE

WHEN (invoice\_total - payment\_total - credit\_total) = 0 THEN 'Paid in Full'

ELSE 'Balance Due'

END AS Payment\_status

FROM

ap.invoices;

**Question10**

SELECT

UPPER(vendor\_name) AS 'VENDOR NAME',

CASE

WHEN vendor\_phone IS NULL OR vendor\_phone = '' THEN 'No Phone Provided'

ELSE vendor\_phone

END AS 'PHONE No'

FROM

ap.vendors;