

## **Comp1168 LabNo06**

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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;
```