**Katrina Lynn Ang & Elaine Pajarillo**
**CMSC 127 ZZZ**

1. How many rows does the following retrieve?
    a. SELECT * FROM vendor
        - **This query retrieves 11 rows.**
    b. SELECT p_code, p_descript, p_indate from product where YEAR(p_indate)>2009
        - **This query retrieves 10 rows.**

2. Write an appropriate SQL query that produces the following:
    a. All vendors with v_order having a value of 'N'(all columns)

    ```
    SELECT * FROM Vendor WHERE V_ORDER = 'N';
    ```

    b. From letter a, all rows with AreaCode of 901 or 615 (all columns)

    ```
    SELECT * FROM Vendor WHERE V_ORDER = 'N' AND
    V_AREACODE in ('901' , '615');
    ```

    c. Name, Contact and Phone of all vendors with state value 'TN'

    ```
    SELECT V_NAME, V_CONTACT, V_PHONE FROM Vendor WHERE V_State = 'TN';
    ```

    d. All columns of product tables with p_indate after December 30, 2009

    ```
    SELECT * FROM Product where P_INDATE > '2009-12-30';
    ```

    e. Code, description, QOH, and price of all products less than 40

    ```
    SELECT P_CODE, P_DESCRIPT, P_QOH, P_PRICE FROM Product where P_QOH < '40';
    ```

3. Create an SQL statement that will create a table EMPLOYEE (last name, birthdate, and dept code must not have a null value).

- NOTE: In order to create the table Employee with a column 'Department Code' set as its foreign key, we must first create a table Department with department code as its primary key.

```
CREATE TABLE Department (
departmentCode SMALLINT(3) NOT NULL PRIMARY KEY
);
```

```
CREATE TABLE Employee (
```

```
ID CHAR(3) NOT NULL UNIQUE,
lastName VARCHAR(20) NOT NULL,
firstName VARCHAR(20),
middleInitial CHAR(1),
birthdate DATE NOT NULL,
departmentCode VARCHAR(20) NOT NULL,
salary NUMERIC(7, 2) DEFAULT = 20000.00,
primary key (ID),
foreign key departmentCode REFERENCES DEPARTMENT(departmentCode);
```