

Assignment 2 (Session B)

1. Insert a row to 'Employees' table with following values:

- LastName → Davolio
- FirstName → Nancy
- Title → Sales Representative
- TitleOfCourtesy → Ms.
- BirthDate → 1948-12-08
- HireDate → 1992-05-01
- Address → 507 - 20th Ave. E. Apt. 2A
- City → Seattle
- Region → WA
- PostalCode → 98122
- Country → USA
- HomePhone → (206) 555-9857
- Extension → 5467
- Notes → Education includes a BA in psychology from Colorado State University in 1970. She also completed "The Art of the Cold Call." Nancy is a member of Toastmasters International.
- ReportsTo → 2
- PhotoPath → <http://accweb/emmployees/davolio.bmp>

```

SQLQuery2.sql - 10...n2023 (kunalj (66)) * 35.sql - 10.0.2.67.Tr...Jun2023 (kunalj (61)) *
CREATE TABLE Employees007(
    EmployeeID INT PRIMARY KEY identity(1,1),
    LastName VARCHAR(50),
    FirstName VARCHAR(50),
    Title VARCHAR(100),
    TitleOfCourtesy VARCHAR(10),
    BirthDate DATE,
    HireDate DATE,
    Address VARCHAR(100),
    City VARCHAR(50),
    Region VARCHAR(50),
    PostalCode VARCHAR(10),
    Country VARCHAR(50),
    HomePhone VARCHAR(20),
    Extension VARCHAR(10),
    Notes TEXT,
    ReportsTo INT,
    PhotoPath VARCHAR(200)
);
INSERT INTO Employees (LastName, FirstName, Title, TitleOfCourtesy, BirthDate, HireDate, Address, City, Region, PostalCode,
Country, HomePhone, Extension, Notes, ReportsTo, PhotoPath)
VALUES ('Davolio', 'Nancy', 'Sales Representative', 'Ms.', '1948-12-08', '1992-05-01', '507 - 20th Ave. E. Apt. 2A', 'Seattle',
'WA', '98122', 'USA', '(206) 555-9857', '5467', 'Education includes a BA in psychology from Colorado State University in 1970.
She also completed "The Art of the Cold Call." Nancy is a member of Toastmasters International.', 2, 'http://accweb/emmployees/davolio.bmp');

```

2. Insert the data into 'Customers' table

- CustomerID → ALFKI
- CompanyName → Alfreds Futterkiste
- ContactName → Maria Anders
- ContactTitle → Sales Representative
- Address → Obere Str. 57
- City → Berlin
- PostalCode → 12209
- Country → Germany
- Phone → 030-0074321
- Fax → 030-0076545

```

INSERT INTO Customer007(CustomerID, CompanyName, ContactName, ContactTitle, Address, City, PostalCode, Country, Phone, Fax)
VALUES ('ALFKI', 'Alfreds Futterkiste', 'Maria Anders', 'Sales Representative', 'Obere Str. 57', 'Berlin', '12209', 'Germany',
'030-0074321', '030-0076545');

```

3. Inserting multiple rows. Insert the below data into 'Employees' table.

LastName FirstName Title TitleOf

courtesy

BirthDate HireDate City

Fuller Andrew Vice President, Sales Dr. 2030-01-01 1992-08-14 Tacoma

Leverling Janet Sales Representative Ms. 1963-08-30 1992-04-01 Kirkland

Peacock Margaret Sales Representative Mrs. 1937-09-19 1993-05-03 Redmond

Buchan Steven Sales Manager Mr. 1955-03-04 1993-10-17 London

Suyama Michael Sales Representative Mr. 1963-07-02 1993-10-17 London

King Robert Sales Representative Mr. 1960-05-29 1994-01-02 London

Dodsworth Laura Inside Sales Coordinator Ms. 1958-01-09 1994-03-05 Seattle

Callahan Anne Sales Representative Ms. 1966-01-27 1994-11-15 London

In record 1, birth date is greater than today's date. Mention the error you receive, then update the birthdate to '1952-02-19' and try re-load.

```
INSERT INTO Employees007(LastName, FirstName, Title, TitleOfCourtesy, BirthDate, HireDate, City)
VALUES
('Fuller', 'Andrew', 'Vice President, Sales', 'Dr.', '2030-01-01', '1992-08-14', 'Tacoma'),
('Leverling', 'Janet', 'Sales Representative', 'Ms.', '1963-08-30', '1992-04-01', 'Kirkland'),
('Peacock', 'Margaret', 'Sales Representative', 'Mrs.', '1937-09-19', '1993-05-03', 'Redmond'),
('Buchan', 'Steven', 'Sales Manager', 'Mr.', '1955-03-04', '1993-10-17', 'London'),
('Suyama', 'Michael', 'Sales Representative', 'Mr.', '1963-07-02', '1993-10-17', 'London'),
('King', 'Robert', 'Sales Representative', 'Mr.', '1960-05-29', '1994-01-02', 'London'),
('Dodsworth', 'Laura', 'Inside Sales Coordinator', 'Ms.', '1958-01-09', '1994-03-05', 'Seattle'),
('Callahan', 'Anne', 'Sales Representative', 'Ms.', '1966-01-27', '1994-11-15', 'London');

UPDATE Employees007
SET BirthDate = '1952-02-19'
WHERE FirstName = 'Nancy' AND LastName = 'Davolio';
```

4. Insert one new customer in Customers table with below info

- CustomerID → BONAP
- CompanyName → Bon app'
- ContactName → Laurence Lebihan
- ContactTitle → Owner
- Address → 12, rue des Bouchers
- City → Marseille
- PostalCode → 13008
- Country → France
- Phone → 91.24.45.4
- Fax → 91.24.45.41

```
INSERT INTO Customer007(CustomerID, CompanyName, ContactName, ContactTitle, Address, City, PostalCode, Country, Phone, Fax)
VALUES ('BONAP', 'Bon app', 'Laurence Lebihan', 'Owner', '12, rue des Bouchers', 'Marseille', '13008', 'France',
'91.24.45.4', '91.24.45.41');
```

5. Get the distinct [Contact Title] from 'Customers' table

```
select distinct[ContactTitle] from Customer007;
```

6. Get the total number of Employees under each title. (Using GroupBy)

```

SELECT Title, COUNT(*) AS TotalEmployees
FROM Employees007
GROUP BY Title;

```

7. Get the list of customers reached more than 15 orders from 'Orders' Table (Using Group By, Having)

```

SELECT CustomerID, COUNT(*) AS OrderCount
FROM Orders
GROUP BY CustomerID
HAVING COUNT(*) > 15;

```

8. Oops!! We inserted the incorrect name in 'Employees' table where the LastName is 'Buchan'. Name must be updated to 'Buchanan' using transaction. (Using Begin Tran, Commit)

```

Begin Tran
Update Employees007
Set LastName='Buchanan'
where LastName='Buchan';
commit

```

9. Show the details of orders of each customer so far. (Using joins)

Tables: Orders, Customers

```

SQLQuery1.sql - 10....n2023 (kunalj (67))*
Select o.OrderID, o.ProductID, o.UnitPrice, o.Quantity, o.Discount, o.customerID, c.CustomerID, c.ContactName
FROM Order_detail o
JOIN Customer007 c ON c.CustomerID = o.customerID;

```

10. Get the details of all customers those who didn't place any orders so far. (Using leftjoin)

```

SELECT C.CustomerID, C.CompanyName
FROM Customers C
LEFT JOIN Order_detail O ON C.CustomerID = O.CustomerID
WHERE O.CustomerID IS NULL OR O.OrderID IS NULL;

```

11. Get the Product details (from Products Table) of each order (from Order Details Tables) using joins.

```
SELECT o.OrderID,p.ProductID,p.ProductName,p.UnitPrice,od.Quantity
FROM Orders o
JOIN OrderDetails od ON o.OrderID = od.OrderID
JOIN Products p ON od.ProductID = p.ProductID
ORDER BY o.OrderID;
```

12. Delete the record from 'Customers' table who didn't place any order

```
DELETE
FROM Customer007
where CustomerID=(select CustomerID from Orders
WHERE OrderID IS NULL);
```