

Set ansi_nulls on

Go

Set quoted_identifier off

Go

/*Create Tables*/

Create table Employee (

EmpID SMALLINT,

EmpFirstName VARCHAR(20),

EmpLastName VARCHAR(20),

EmpDOB DATETIME,

EmpSalary MONEY,

EmpBelongsDeptCode VARCHAR(20),

EmpSupervisorEmpID VARCHAR(20),

PRIMARY KEY(EmpID));

Create Table Department (

DeptCode VARCHAR(4),

DeptName VARCHAR(20),

DeptPhone SMALLINT,

DeptHeadEmpID SMALLINT,

PRIMARY KEY(DeptCode),

CONSTRAINT fk_head_Department FOREIGN KEY(DeptHeadEmpID)

REFERENCES Employee(EmpID));

/*Populate Employee table*/

```

Insert Into Employee
  values (1,"Steve","Ballard","11/1/1942", 275000, "CHAN", NULL)
Insert Into Employee
  values (2,"Phillip", "Rogers","11/2/1942",165000, "CHAN",1)
Insert Into Employee
  values (3,"Marilyn", "Sheerer","11/3/1942",155000, "PROV",1)
Insert Into Employee
  values (4,"Megan", "Ayers","7/2/1960",42000,"CHAN",2)
Insert Into Employee
  values (5,"Lou", "McNamee","8/2/1952",42000,"CHAN",2)
Insert Into Employee
  values (6,"Alan", "White","9/2/1965",78000,"DEAN",3)
Insert Into Employee
  values (7,"Rick", "Niswander","9/2/1965",74000,"DEAN",3)
Insert Into Employee
  values (8,"Richard", "Hauser","9/2/1965",122000,"MIS",7)
Insert Into Employee
  values (9,"Dan", "Schisler","9/2/1965",22000,"ACCT",7)

```

/*populate dept table*/

```

Insert Into Department
  values ("CHAN","Chancellor",328-6893,1)
Insert Into Department
  values ("PROV","Provost",328-6894,3)
Insert Into Department
  values ("DEAN","Dean",328-6899,3)
Insert Into Department
  values ("MIS","MIS",NULL,8)
Insert Into Department
  values ("ACCT","Accounting",NULL,9);

```

/*2.Delete Attempt*/

```
DELETE FROM Employee where EmpID=8;
```

/*3.List Dept, emp. first and last name and age.*/

```
SELECT Deptname,EmpFirstName + " " + EmpFirstName AS EmpName,
```

```

CASE WHEN DATEADD(YEAR, DATEDIFF (YEAR, EmpDOB, CURRENT_TIMESTAMP),
EmpDOB) > CURRENT_TIMESTAMP
      THEN DATEDIFF(YEAR, EmpDOB, CURRENT_TIMESTAMP) - 1
      ELSE DATEDIFF(YEAR, EmpDOB, CURRENT_TIMESTAMP)

```

END AS 'Employee Age'

```
FROM MIS_4113_001.dbo.Department, MIS_4113_001.dbo.Employee
WHERE DeptHeadEmpID = EmpID
ORDER BY DeptName;
```

/*4.list emp and supervisors*/

```
SELECT wrk.EmpFirstName + " " + wrk.EmpLastName as "Employee Name", CAST(wrk.EmpSalary
as Decimal(10,2)) AS "Employee Salary",
spr.EmpFirstName + " " + spr.EmpLastName as "Supervisor Name", CAST(spr.EmpSalary as
Decimal(10,2)) AS "Supervisor Salary"
FROM MIS_4113_001.dbo.Employee wrk, MIS_4113_001.dbo.Employee spr
WHERE wrk.EmpSupervisorEmpID = spr.EmpID
and wrk.EmpSalary > spr.EmpSalary
ORDER BY "Employee Name" ASC;
```

/*5.Supervisor, Employee, Dept, Phone */

```
SELECT (spr.EmpLastName + ", " + spr.EmpFirstName) As "Supervisor Name", (wrk.EmpLastName
+ ", " + wrk.EmpFirstName) As "Employee Name",
```

DeptName, DeptPhone

```
FROM MIS_4113_001.dbo.Employee wrk, MIS_4113_001.dbo.Employee spr,
MIS_4113_001.dbo.Department
```

```
WHERE wrk.EmpSupervisorEmpID = spr.EmpID
```

```
and spr.EmpBelongsDeptCode = Department.DeptCode
```

```
ORDER BY "Supervisor Name" ASC;
```



