MSSV: 22002575

Họ tên SV: Trần Gia Nguyên Phong

Notes: Filename: Lab02\_HoTen\_MSSV\_Data.docx

**Lab 02**

**Company Database – Data**

**Insert Data**

*In 2 tables Employee and Department: when entering data into table, the data is entered first and other is enterd next. After they can update.*

* Department

|  |  |  |  |
| --- | --- | --- | --- |
| DName | DNumber | Mgrssn | MgrStartdate |
| Headquarters | 1 | 888665555 | 06/19/1971 |
| Administration | 4 | 987654321 | 01/01/1985 |
| Research | 5 | 333445555 | 05/22/1978 |

* Employee

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| FName | Minit | LName | SSN | BDate | Address | Sex | Salary | Supper\_SSN | DNo |
| John | B | Smith | 123456789 | 01/09/1955 | Houston, TX | M | 30000 | 333445555 | 5 |
| Franklin | T | Wong | 333445555 | 12/08/1945 | Houston, TX | M | 40000 | 888665555 | 5 |
| Joyce | A | English | 453453453 | 07/31/1962 | Houston, TX | F | 25000 | 333445555 | 5 |
| Ramesh | K | Narayan | 666884444 | 09/15/1952 | Humble, TX | M | 38000 | 333445555 | 5 |
| James | E | Borg | 888665555 | 11/10/1927 | Houston, TX | M | 55000 | NULL | 1 |
| Jennifer | S | Wallace | 987654321 | 06/20/1931 | Bellaire, TX | F | 43000 | 888665555 | 4 |
| Ahmad | V | Jabbar | 987987987 | 03/29/1959 | Houston, TX | M | 25000 | 987654321 | 4 |
| Alicia | J | Zelaya | 999887777 | 07/19/1958 | Spring, TX | F | 25000 | 987654321 | 4 |

* Dept\_Location

|  |  |
| --- | --- |
| DNumber | DLocation |
| 1 | Houston |
| 4 | Stafford |
| 5 | Bellaire |
| 5 | Houston |
| 5 | Sugarland |

* Project

|  |  |  |  |
| --- | --- | --- | --- |
| PName | PNumber | PLocation | DNum |
| ProductX | 1 | Bellaire | 5 |
| ProductY | 2 | Sugarland | 5 |
| ProductZ | 3 | Houston | 5 |
| Computerization | 10 | Stafford | 4 |
| Reorganization | 20 | Houston | 1 |
| Newbenefits | 30 | Stafford | 4 |

* Works\_On

|  |  |  |
| --- | --- | --- |
| ESSN | PNo | Hours |
| 123456789 | 1 | 32.5 |
| 123456789 | 2 | 7.5 |
| 333445555 | 2 | 10.0 |
| 333445555 | 3 | 10.0 |
| 333445555 | 10 | 10.0 |
| 333445555 | 20 | 10.0 |
| 453453453 | 1 | 20.0 |
| 453453453 | 2 | 20.0 |
| 666884444 | 3 | 40.0 |
| 888665555 | 20 | NULL |
| 987654321 | 20 | 15.0 |
| 987654321 | 30 | 20.0 |
| 987987987 | 10 | 35.0 |
| 987987987 | 30 | 5.0 |
| 999887777 | 10 | 10.0 |
| 999887777 | 30 | 30.0 |

* Dependent

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ESSN | Dependent\_Name | Sex | BDate | Relationship |
| 123456789 | Alice | F | 12/31/1978 | Daughter |
| 123456789 | Elizabeth | F | 05/05/1957 | Spouse |
| 123456789 | Michael | M | 01/01/1978 | Son |
| 333445555 | Alice | F | 04/05/1976 | Daughter |
| 333445555 | Joy | F | 05/03/1948 | Spouse |
| 333445555 | Theodore | M | 10/25/1973 | Son |
| 987654321 | Abner | M | 02/29/1932 | Spouse |

*Note*: Save to file **Company\_Data.sql**

---- Data

-- Department

[Paste SQL statements here]

INSERT INTO Deparment

VALUES ('Headquarters',1,'888665555','06/19/1971');

GO

INSERT INTO Deparment

VALUES ('Administration',4,'987654321','01/01/1985');

GO

INSERT INTO Deparment

VALUES ('Research',5,'333445555','05/22/1978');

GO

-- Employee

--Insert Employee table

Insert INTO Employee

VALUES ('John','B','Smith','123456789','01/09/1955','Houston,TX','M','30000',NULL,NULL);

GO

Insert INTO Employee

VALUES ('Franklin','T','Wong','333445555','12/08/1945','Houston, TX','M','40000',NULL, NULL);

GO

INSERT INTO Employee

VALUES ('Joyce','A','English','453453453','07/31/1962', 'Houston, TX','F','25000',NULL, NULL);

GO

INSERT INTO Employee

VALUES ('Ramesh','K','Narayan','666884444','09/15/1952','Humble, TX','M','38000',NULL, NULL);

GO

INSERT INTO Employee

VALUES ('James','E','Borg','888665555','11/10/1927','Houston, TX','M','55000',NULL, NULL);

GO

INSERT INTO Employee

VALUES ('Jennifer','S','Wallace','987654321','06/20/1931','Bellaire, TX','F','43000',NULL, NULL);

GO

INSERT INTO Employee

VALUES ('Ahmad','V','Jabbar','987987987','03/29/1959','Houston, TX','M','25000',NULL, NULL);

GO

INSERT INTO Employee

VALUES ('Alicia','J','Zelaya','999887777','07/19/1958','Spring, TX','F','25000',NULL, NULL);

GO

--???

--============================================

--update data

--update employee table

UPDATE Employee

set SuperSSN = '333445555', DNo = '5'

WHERE SSN = '123456789';

GO

UPDATE Employee

set SuperSSN = '888665555', DNo = '5'

WHERE SSN = '333445555';

GO

UPDATE Employee

set SuperSSN = '333445555', DNo = '5'

WHERE SSN = '453453453';

GO

UPDATE Employee

set SuperSSN = '333445555', DNo = '5'

WHERE SSN = '666884444';

GO

UPDATE Employee

set DNo = '1'

WHERE SSN = '888665555';

GO

UPDATE Employee

set SuperSSN = '888665555', DNo = '4'

WHERE SSN = '987654321';

GO

UPDATE Employee

set SuperSSN = '987654321', DNo = '4'

WHERE SSN = '987987987';

GO

UPDATE Employee

set SuperSSN = '987654321', DNo = '4'

WHERE SSN = '999887777';

GO

--============================================

--test

SELECT \* FROM Employee;

GO

SELECT \* FROM Deparment;

GO

SELECT \* FROM Dept\_Location;

GO

SELECT \* FROM Project;

GO

SELECT \* FROM Works\_On;

GO

SELECT \* FROM Dependent;

GO

-- Dept\_Location

INSERT INTO Dept\_Location

VALUES (1,'Houston');

GO

INSERT INTO Dept\_Location

VALUES (4,'Stafford');

GO

INSERT INTO Dept\_Location

VALUES (5,'Bellaire');

GO

INSERT INTO Dept\_Location

VALUES (5,'Houston');

GO

INSERT INTO Dept\_Location

VALUES (5,'Sugarland');

GO

-- Project

INSERT INTO Project

VALUES ('ProductX',1,'Bellaire',5);

GO

INSERT INTO Project

VALUES ('ProductY',2,'Sugarland',5);

GO

INSERT INTO Project

VALUES ('ProductZ',3,'Houston',5);

GO

INSERT INTO Project

VALUES ('Computerization',10,'Stafford',4);

GO

INSERT INTO Project

VALUES ('Reorganization',20,'Houston',1);

GO

INSERT INTO Project

VALUES ('Newbenefits',30,'Stafford',4);

GO

-- Works\_On

INSERT INTO Works\_On

VALUES ('123456789',1,32.5);

GO

INSERT INTO Works\_On

VALUES ('123456789',2,7.5);

GO

INSERT INTO Works\_On

VALUES ('333445555',2,10.0);

GO

INSERT INTO Works\_On

VALUES ('333445555',3,10.0);

GO

INSERT INTO Works\_On

VALUES ('333445555',10,10.0);

GO

INSERT INTO Works\_On

VALUES ('333445555',20,10.0);

GO

INSERT INTO Works\_On

VALUES ('453453453',1,20.0);

GO

INSERT INTO Works\_On

VALUES ('453453453',2,20.0);

GO

INSERT INTO Works\_On

VALUES ('666884444',3,40.0);

GO

INSERT INTO Works\_On

VALUES ('888665555',20,NULL);

GO

INSERT INTO Works\_On

VALUES ('987654321',20,15.0);

GO

INSERT INTO Works\_On

VALUES ('987654321',30,20.0);

GO

INSERT INTO Works\_On

VALUES ('987987987',10,35.0);

GO

INSERT INTO Works\_On

VALUES ('987987987',30,5.0);

GO

INSERT INTO Works\_On

VALUES ('999887777',10,10.0);

GO

INSERT INTO Works\_On

VALUES ('999887777',30,30.0);

GO

-- Dependent

INSERT INTO Dependent

VALUES ('123456789','Alice','F','12/31/1978','Daughter');

GO

INSERT INTO Dependent

VALUES ('123456789','Elizabeth','F','05/05/1957','Spouse');

GO

INSERT INTO Dependent

VALUES ('123456789','Michael','M','01/01/1978','Son');

GO

INSERT INTO Dependent

VALUES ('333445555','Alice','F','04/05/1976','Daughter');

GO

INSERT INTO Dependent

VALUES ('333445555','Joy','F','05/03/1948','Spouse');

GO

INSERT INTO Dependent

VALUES ('333445555','Theodore','M','10/25/1973','Son');

GO

INSERT INTO Dependent

VALUES ('987654321','Abner','M','02/29/1932','Spouse');

GO

**END**