--select database

use master

--create database

create database DB\_Day1

--select database

use DB\_Day1

--create tables

create table DEPARTMENT

(D\_DeptName     varchar(20) primary key,

 DeptFloor      int,

 DeptPhone      varchar(2))

create table EMPLOYEE

(EmpNum         int identity(1,1) primary key,

 EmpName        varchar(20) not null,

 Salary         float,

 E\_DeptName     varchar(20) references DEPARTMENT(D\_DeptName),

 BossNum        int references EMPLOYEE(EmpNum))

alter table DEPARTMENT

add MgrID int references EMPLOYEE(EmpNum)

create table ITEM

(I\_ItemName     varchar(50) primary key,

 ItemType       varchar(1) check(itemType in ('B', 'C', 'E', 'F', 'N', 'R')),

 ItemColor      varchar(20))

create table SALES

(SalesNum       int identity(101,1) primary key,

 SaleQty        int,

 S\_ItemName     varchar(50) references ITEM(I\_ItemName) not null,

 S\_DeptName     varchar(20) references DEPARTMENT(D\_DeptName) not null)

sp\_Help SALES

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

--insert data

insert into DEPARTMENT(D\_DeptName, DeptFloor, DeptPhone) values('Management', 5, '34')

insert into DEPARTMENT(D\_DeptName, DeptFloor, DeptPhone) values('Books', 1, '81')

insert into DEPARTMENT(D\_DeptName, DeptFloor, DeptPhone) values('Clothes', 2, '24')

insert into DEPARTMENT(D\_DeptName, DeptFloor, DeptPhone) values('Equipment', 3, '57')

insert into DEPARTMENT(D\_DeptName, DeptFloor, DeptPhone) values('Furniture', 4, '14')

insert into DEPARTMENT(D\_DeptName, DeptFloor, DeptPhone) values('Navigation', 1, '41')

insert into DEPARTMENT(D\_DeptName, DeptFloor, DeptPhone) values('Recreation', 2, '29')

insert into DEPARTMENT(D\_DeptName, DeptFloor, DeptPhone) values('Accounting', 5, '35')

insert into DEPARTMENT(D\_DeptName, DeptFloor, DeptPhone) values('Purchasing', 5, '36')

insert into DEPARTMENT(D\_DeptName, DeptFloor, DeptPhone) values('Personnel', 5, '37')

insert into DEPARTMENT(D\_DeptName, DeptFloor, DeptPhone) values('Marketing', 5, '38')

insert into EMPLOYEE values('Alice', 75000, 'Management', null)

insert into EMPLOYEE values('Ned', 45000, 'Marketing', 1)

insert into EMPLOYEE values('Andrew', 25000, 'Marketing', 2)

insert into EMPLOYEE values('Clare', 22000, 'Marketing', 2)

insert into EMPLOYEE values('Todd', 38000, 'Accounting', 1)

insert into EMPLOYEE values('Nancy', 22000, 'Accounting', 5)

insert into EMPLOYEE values('Brier', 43000, 'Purchasing', 1)

insert into EMPLOYEE values('Sarah', 56000, 'Purchasing', 7)

insert into EMPLOYEE values('Sophile', 35000, 'Personnel', 1)

insert into EMPLOYEE values('Sanjay', 15000, 'Navigation', 3)

insert into EMPLOYEE values('Rita', 15000, 'Books', 4)

insert into EMPLOYEE values('Gigi', 16000, 'Clothes', 4)

insert into EMPLOYEE values('Maggie', 11000, 'Clothes', 4)

insert into EMPLOYEE values('Paul', 15000, 'Equipment', 3)

insert into EMPLOYEE values('James', 15000, 'Equipment', 3)

insert into EMPLOYEE values('Pat', 15000, 'Furniture', 3)

insert into EMPLOYEE values('Mark', 15000, 'Recreation', 3)

update DEPARTMENT set MgrID = 1 where D\_DeptName = 'Management'

update DEPARTMENT set MgrID = 4 where D\_DeptName = 'Books'

update DEPARTMENT set MgrID = 4 where D\_DeptName = 'Clothes'

update DEPARTMENT set MgrID = 3 where D\_DeptName = 'Equipment'

update DEPARTMENT set MgrID = 3 where D\_DeptName = 'Furniture'

update DEPARTMENT set MgrID = 3 where D\_DeptName = 'Navigation'

update DEPARTMENT set MgrID = 4 where D\_DeptName = 'Recreation'

update DEPARTMENT set MgrID = 5 where D\_DeptName = 'Accounting'

update DEPARTMENT set MgrID = 7 where D\_DeptName = 'Purchasing'

update DEPARTMENT set MgrID = 9 where D\_DeptName = 'Personnel'

update DEPARTMENT set MgrID = 2 where D\_DeptName = 'Marketing'

insert into ITEM values('Pocket Knife-Nile', 'E', 'Brown')

insert into ITEM values('Pocket Knife-Avon', 'E', 'Brown')

insert into ITEM values('Compass', 'N', null)

insert into ITEM values('Geo positioning system', 'N', null)

insert into ITEM values('Elephant Polo stick', 'R', 'Bamboo')

insert into ITEM values('Camel Saddle', 'R', 'Brown')

insert into ITEM values('Sextant', 'N', null)

insert into ITEM values('Map Measure', 'N', null)

insert into ITEM values('Boots-snake proof', 'C', 'Green')

insert into ITEM values('Pith Helmet', 'C', 'Khaki')

insert into ITEM values('Hat-polar Explorer', 'C', 'White')

insert into ITEM values('Exploring in 10 Easy Lessons', 'B', null)

insert into ITEM values('Hammock', 'F', 'Khaki')

insert into ITEM values('How to win Foreign Friends', 'B', null)

insert into ITEM values('Map case', 'E', 'Brown')

insert into ITEM values('Safari Chair', 'F', 'Khaki')

insert into ITEM values('Safari cooking kit', 'F', 'Khaki')

insert into ITEM values('Stetson', 'C', 'Black')

insert into ITEM values('Tent - 2 person', 'F', 'Khaki')

insert into ITEM values('Tent - 8 person', 'F', 'Khaki')

insert into SALES values(2, 'Boots-snake proof', 'Clothes')

insert into SALES values(1, 'Pith Helmet', 'Clothes')

insert into SALES values(1, 'Sextant', 'Navigation')

insert into SALES values(3, 'Hat-polar Explorer', 'Clothes')

insert into SALES values(5, 'Pith Helmet', 'Equipment')

insert into SALES values(2, 'Pocket Knife-Nile', 'Clothes')

insert into SALES values(3, 'Pocket Knife-Nile', 'Recreation')

insert into SALES values(1, 'Compass', 'Navigation' )

insert into SALES values(2, 'Geo positioning system', 'Navigation')

insert into SALES values(5, 'Map Measure', 'Navigation')

insert into SALES values(1, 'Geo positioning system', 'Books')

insert into SALES values(1, 'Sextant', 'Books')

insert into SALES values(3, 'Pocket Knife-Nile', 'Books')

insert into SALES values(1, 'Pocket Knife-Nile', 'Navigation')

insert into SALES values(1, 'Pocket Knife-Nile', 'Equipment')

insert into SALES values(1, 'Sextant', 'Clothes')

insert into SALES values(1, 'Sextant', 'Equipment')

insert into SALES values(1, 'Sextant', 'Recreation')

insert into SALES values(1, 'Sextant', 'Furniture')

insert into SALES values(1, 'Pocket Knife-Nile', 'Furniture')

insert into SALES values(1, 'Exploring in 10 easy lessons', 'Books')

insert into SALES values(1, 'How to win foreign friends', 'Books')

insert into SALES values(1, 'Compass', 'Books')

insert into SALES values(1, 'Pith Helmet', 'Books')

insert into SALES values(1, 'Elephant Polo stick', 'Recreation')

insert into SALES values(1, 'Camel Saddle', 'Recreation')

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select \* from DEPARTMENT

select \* from EMPLOYEE

select \* from ITEM

select \* from SALES