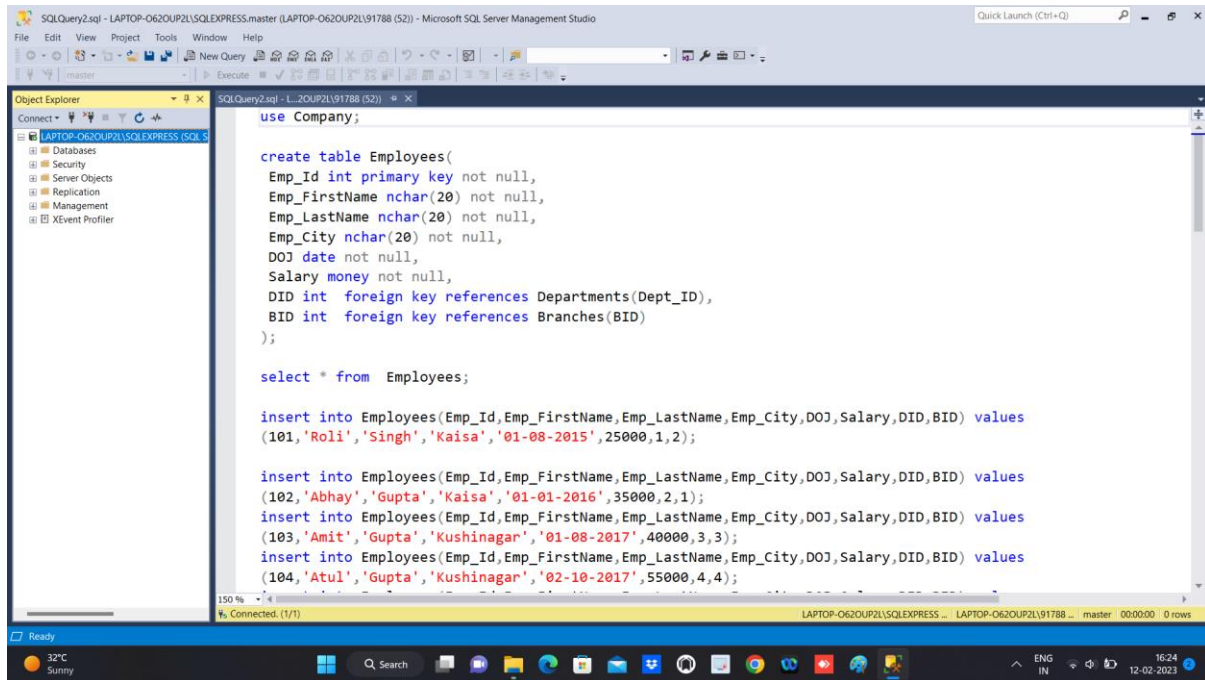


1.

```
create table Employees(  
    Emp_Id int primary key not null,  
    Emp_FirstName nchar(20) not null,  
    Emp_LastName nchar(20) not null,  
    Emp_City nchar(20) not null,  
    DOJ date not null,  
    Salary money not null,  
    DID int foreign key references Departments(Dept_ID),  
    BID int foreign key references Branches(BID)  
);
```



2.

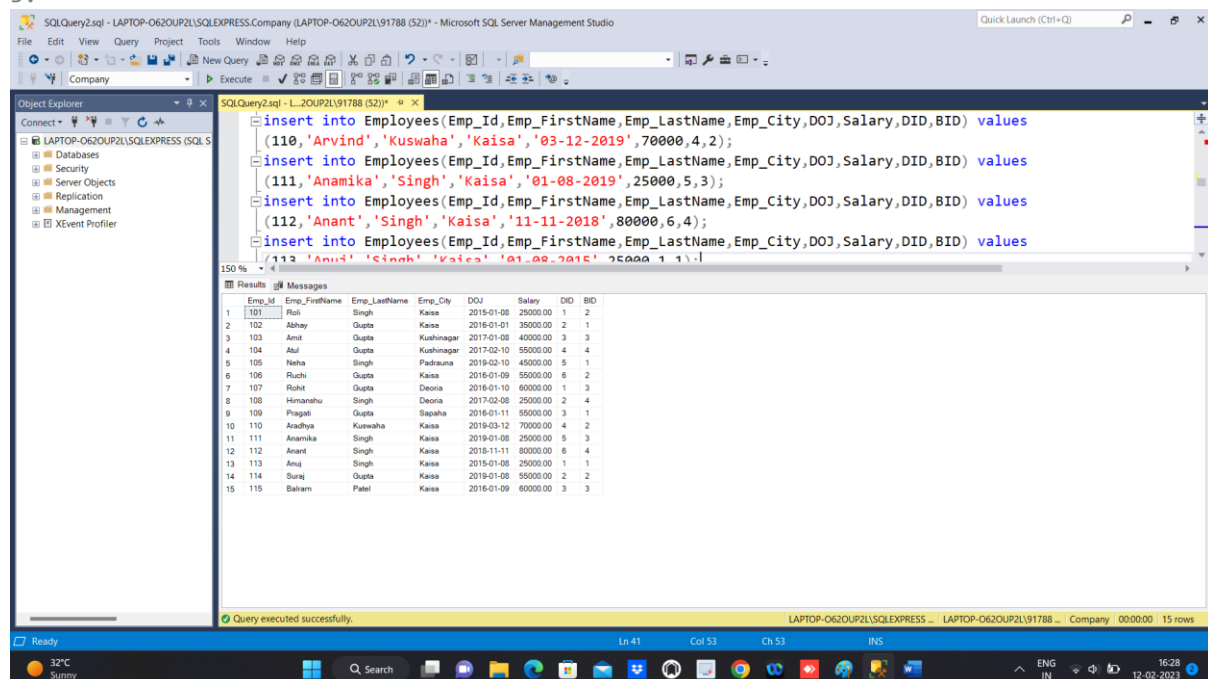
```
insert into Employees(Emp_Id,Emp_FirstName,Emp_LastName,Emp_City,DOJ,Salary,DID,BID)  
values  
(102,'Abhay','Gupta','Kaisa','01-01-2016',35000,2,1);  
insert into Employees(Emp_Id,Emp_FirstName,Emp_LastName,Emp_City,DOJ,Salary,DID,BID)  
values  
(103,'Amit','Gupta','Kushinagar','01-08-2017',40000,3,3);  
insert into Employees(Emp_Id,Emp_FirstName,Emp_LastName,Emp_City,DOJ,Salary,DID,BID)  
values  
(104,'Atul','Gupta','Kushinagar','02-10-2017',55000,4,4);  
insert into Employees(Emp_Id,Emp_FirstName,Emp_LastName,Emp_City,DOJ,Salary,DID,BID)  
values  
(105,'Neha','Singh','Padrauna','02-10-2019',45000,5,1);  
insert into Employees(Emp_Id,Emp_FirstName,Emp_LastName,Emp_City,DOJ,Salary,DID,BID)  
values  
(106,'Ruchi','Gupta','Kaisa','01-09-2016',55000,6,2);  
insert into Employees(Emp_Id,Emp_FirstName,Emp_LastName,Emp_City,DOJ,Salary,DID,BID)  
values  
(107,'Rohit','Gupta','Deoria','01-10-2016',60000,1,3);  
insert into Employees(Emp_Id,Emp_FirstName,Emp_LastName,Emp_City,DOJ,Salary,DID,BID)  
values  
(108,'Himanshu','Singh','Deoria','02-08-2017',25000,2,4);  
insert into Employees(Emp_Id,Emp_FirstName,Emp_LastName,Emp_City,DOJ,Salary,DID,BID)  
values  
(109,'Pragati','Gupta','Sapaha','01-11-2016',55000,3,1);
```

```

insert into Employees(Emp_Id,Emp_FirstName,Emp_LastName,Emp_City,DOJ,Salary,DID,BID)
values
(110,'Arvind','Kuswaha','Kaisa','03-12-2019',70000,4,2);
insert into Employees(Emp_Id,Emp_FirstName,Emp_LastName,Emp_City,DOJ,Salary,DID,BID)
values
(111,'Anamika','Singh','Kaisa','01-08-2019',25000,5,3);
insert into Employees(Emp_Id,Emp_FirstName,Emp_LastName,Emp_City,DOJ,Salary,DID,BID)
values
(112,'Anant','Singh','Kaisa','11-11-2018',80000,6,4);
insert into Employees(Emp_Id,Emp_FirstName,Emp_LastName,Emp_City,DOJ,Salary,DID,BID)
values
(113,'Anuj','Singh','Kaisa','01-08-2015',25000,1,1);
insert into Employees(Emp_Id,Emp_FirstName,Emp_LastName,Emp_City,DOJ,Salary,DID,BID)
values
(114,'Suraj','Gupta','Kaisa','01-08-2019',55000,2,2);
insert into Employees(Emp_Id,Emp_FirstName,Emp_LastName,Emp_City,DOJ,Salary,DID,BID)
values
(115,'Balram','Patel','Kaisa','01-09-2016',60000,3,3);

```

3.



The screenshot shows the Microsoft SQL Server Management Studio interface. The query window displays the following SQL code:

```

insert into Employees(Emp_Id,Emp_FirstName,Emp_LastName,Emp_City,DOJ,Salary,DID,BID) values
(110,'Arvind','Kuswaha','Kaisa','03-12-2019',70000,4,2);
insert into Employees(Emp_Id,Emp_FirstName,Emp_LastName,Emp_City,DOJ,Salary,DID,BID) values
(111,'Anamika','Singh','Kaisa','01-08-2019',25000,5,3);
insert into Employees(Emp_Id,Emp_FirstName,Emp_LastName,Emp_City,DOJ,Salary,DID,BID) values
(112,'Anant','Singh','Kaisa','11-11-2018',80000,6,4);
insert into Employees(Emp_Id,Emp_FirstName,Emp_LastName,Emp_City,DOJ,Salary,DID,BID) values
(113,'Anuj','Singh','Kaisa','01-08-2015',25000,1,1);

```

The Results window shows the following table:

Emp_Id	Emp_FirstName	Emp_LastName	Emp_City	DOJ	Salary	DID	BID
101	Roli	Singh	Kaisa	2015-01-08	25000.00	1	2
102	Abhay	Gupta	Kaisa	2016-01-01	35000.00	2	1
103	Amit	Gupta	Kushnagar	2017-01-08	40000.00	3	3
104	Atul	Gupta	Kushnagar	2017-02-10	55000.00	4	4
105	Neha	Singh	Padrauna	2019-02-10	45000.00	5	1
106	Ruchi	Gupta	Kaisa	2016-01-09	55000.00	6	2
107	Rohit	Gupta	Deoria	2016-01-10	60000.00	1	3
108	Hemanshu	Singh	Deoria	2017-02-08	25000.00	2	4
109	Pragati	Gupta	Sapriha	2016-01-11	55000.00	3	1
110	Aradhyia	Kuswaha	Kaisa	2019-03-12	70000.00	4	2
111	Anamika	Singh	Kaisa	2019-01-08	25000.00	5	3
112	Anant	Singh	Kaisa	2018-11-11	80000.00	6	4
113	Anuj	Singh	Kaisa	2015-01-08	25000.00	1	1
114	Suraj	Gupta	Kaisa	2019-01-08	55000.00	2	2
115	Balram	Patel	Kaisa	2016-01-09	60000.00	3	3

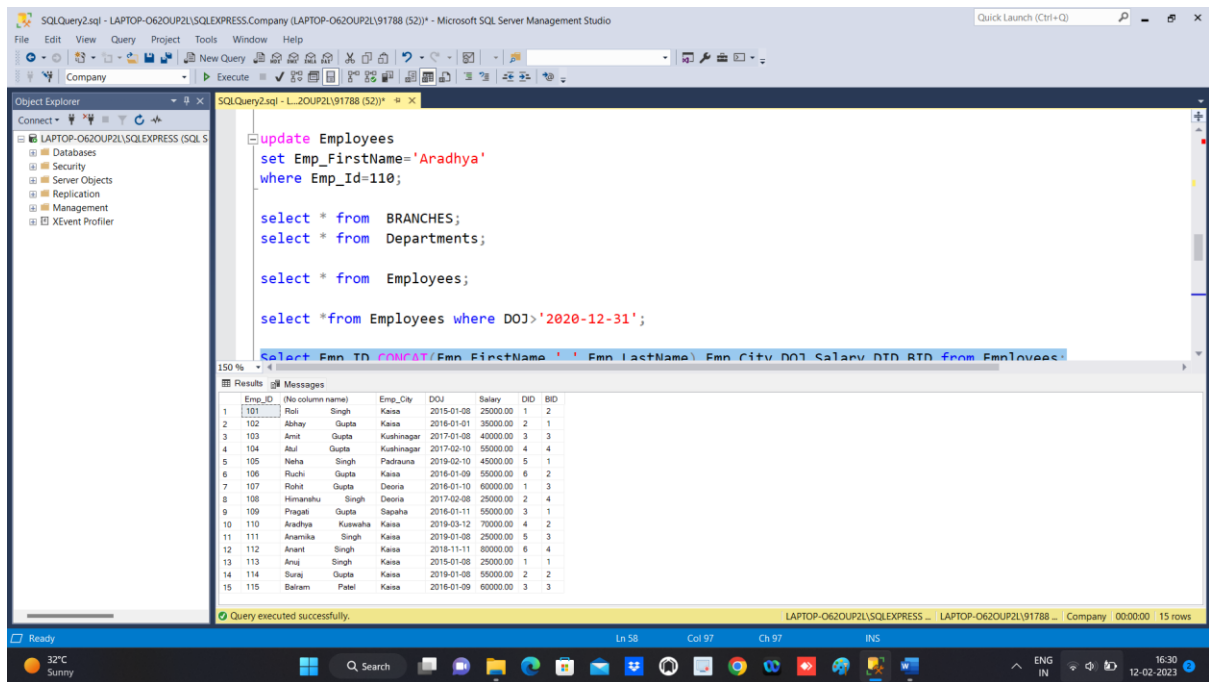
The status bar at the bottom indicates "Query executed successfully." and "15 rows".

3.

```

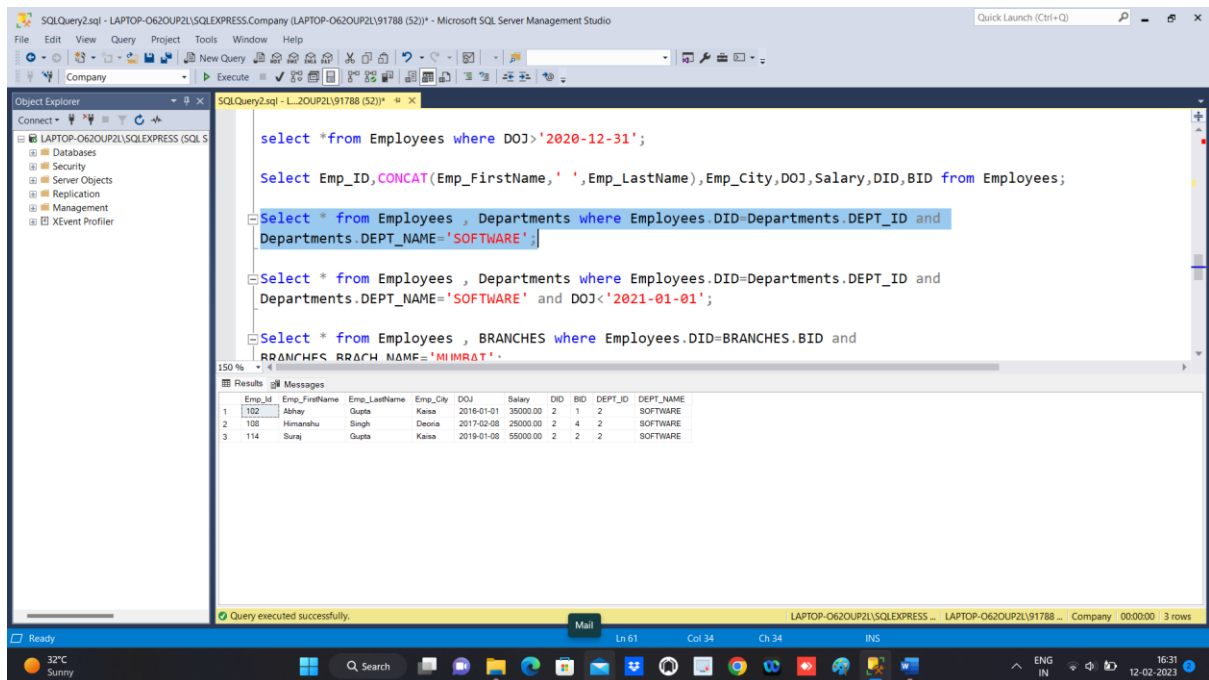
Select Emp_ID,CONCAT(Emp_FirstName,' ',Emp_LastName),Emp_City,DOJ,Salary,DID,BID from
Employees;

```

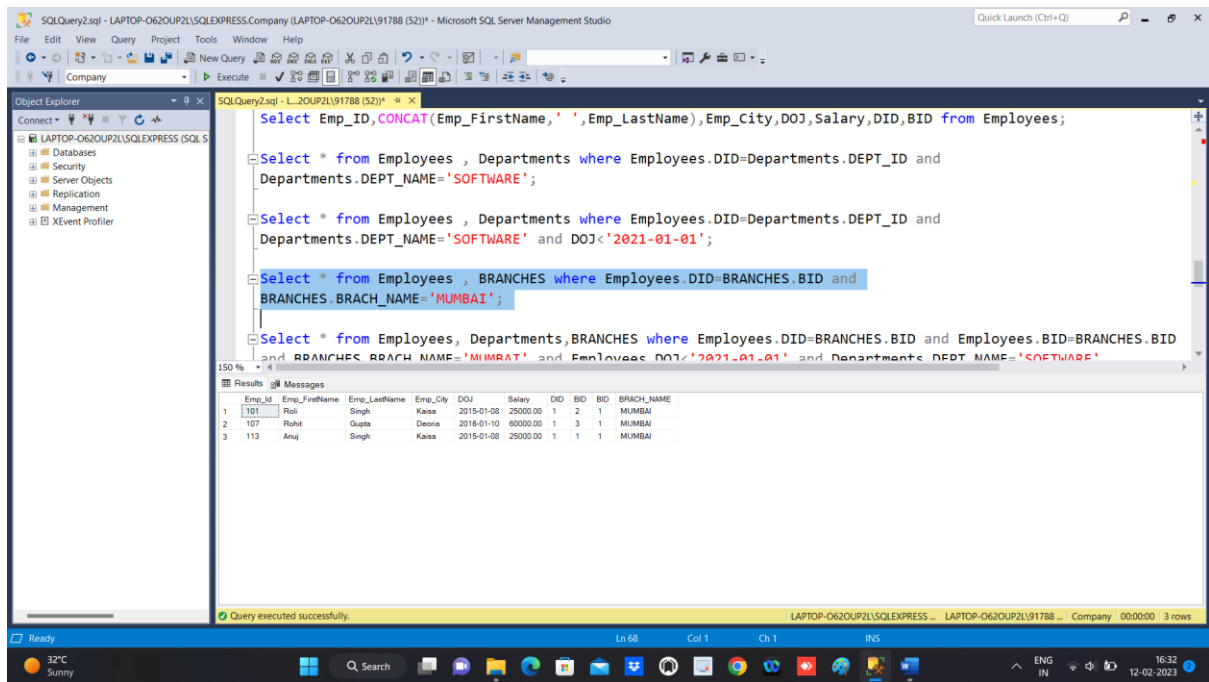


4.

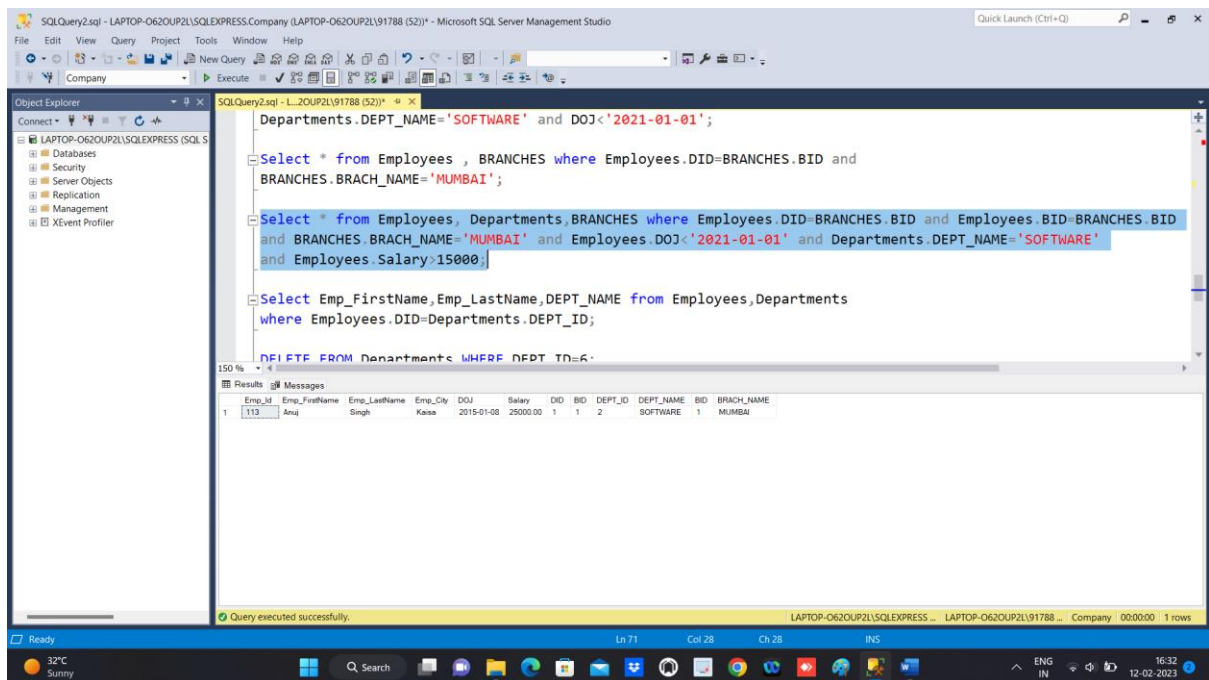
Select * from Employees , Departments where Employees.DID=Departments.DEPT_ID and Departments.DEPT_NAME='SOFTWARE';



5. Select * from Employees , BRANCHES where Employees.DID=BRANCHES.BID and BRANCHES.BRACH_NAME='MUMBAI';



6. **Select** * **from** Employees, Departments,BRANCHES **where** Employees.DID=BRANCHES.BID and Employees.BID=BRANCHES.BID and BRANCHES.BRACH_NAME='MUMBAI' and Employees.DOJ<'2021-01-01' and Departments.DEPT_NAME='SOFTWARE' and Employees.Salary>15000;



7. **Select** Emp_FirstName,Emp_LastName,DEPT_NAME **from** Employees,Departments **where** Employees.DID=Departments.DEPT_ID;

SQLQuery2.sql - LAPTOP-O620UP2L\SQLEXPRESS.Company (LAPTOP-O620UP2L\91788 (52)) - Microsoft SQL Server Management Studio

```

BRANCHES.BRACH_NAME='MUMBAI';

Select * from Employees, Departments, BRANCHES where Employees.DID=BRANCHES.BID and Employees.BID=BRANCHES.BID
and BRANCHES.BRACH_NAME='MUMBAI' and Employees.DOJ<'2021-01-01' and Departments.DEPT_NAME='SOFTWARE'
and Employees.Salary>15000;

Select Emp_FirstName, Emp_LastName, DEPT_NAME from Employees, Departments
where Employees.DID=Departments.DEPT_ID;

DELETE FROM Departments WHERE DEPT_ID=6;

```

Emp_FirstName	Emp_LastName	DEPT_NAME
1	Roli	HRD
2	Ashay	SOFTWARE
3	Amit	ADMIN
4	Atul	FINANCE
5	Neha	SECURITY
6	Ruchi	WFO
7	Rohit	HRD
8	Himanshu	SOFTWARE
9	Pragati	ADMIN
10	Aradhya	FINANCE
11	Anamika	SECURITY
12	Anant	INFO
13	Anuj	HRD
14	Suraj	SOFTWARE
15	Balram	ADMIN

Query executed successfully.

8.

Delete from Employees where DID=6;
DELETE FROM Departments WHERE DEPT_ID=6;
select * from Departments;

SQLQuery2.sql - LAPTOP-O620UP2L\SQLEXPRESS.Company (LAPTOP-O620UP2L\91788 (52)) - Microsoft SQL Server Management Studio

```

BRANCHES.BRACH_NAME='MUMBAI';

Select * from Employees, Departments, BRANCHES where Employees.DID=BRANCHES.BID and Employees.BID=BRANCHES.BID
and BRANCHES.BRACH_NAME='MUMBAI' and Employees.DOJ<'2021-01-01' and Departments.DEPT_NAME='SOFTWARE'
and Employees.Salary>15000;

Select Emp_FirstName, Emp_LastName, DEPT_NAME from Employees, Departments
where Employees.DID=Departments.DEPT_ID;

Delete from Employees where DID=6;
DELETE FROM Departments WHERE DEPT_ID=6;
select * from Departments;

```

DEPT_ID	DEPT_NAME
1	HRD
2	SOFTWARE
3	ADMIN
4	FINANCE
5	SECURITY

Query executed successfully.