**SQL ASSIGNMENT-3**

**Database: -**

CREATE TABLE Department(

dept\_id INT IDENTITY(1,1)PRIMARY KEY,

dept\_name NVARCHAR(50) NOT NULL,

);

INSERT INTO Department

VALUES

('Finance'),

('Managment'),

('HR'),

('Devlopement'),

('Design');

SELECT \* FROM Department

CREATE TABLE Employee(

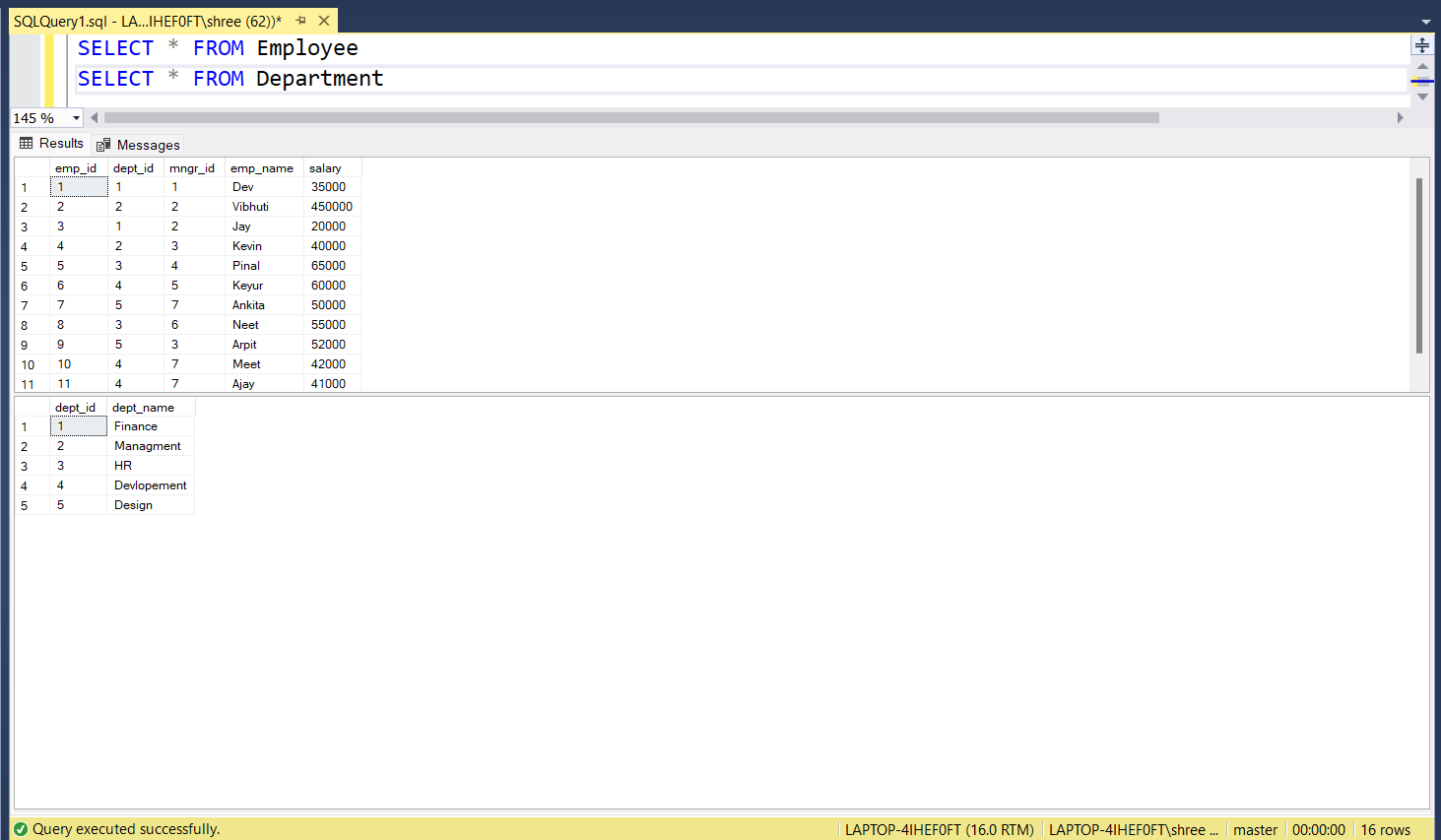
emp\_id INT IDENTITY(1,1) PRIMARY KEY,

dept\_id INT foreign key references Department(dept\_id),

mngr\_id INT,

emp\_name NVARCHAR(50),

salary INT);

****

**SQL-Queries**

**1) Write a SQL query to find Employees who have the biggest salary in their Department.**

Answer: -

SELECT

Employee.emp\_id,

Employee.emp\_name,

Employee.dept\_id,

Department.dept\_name,

Employee.salary

FROM Employee

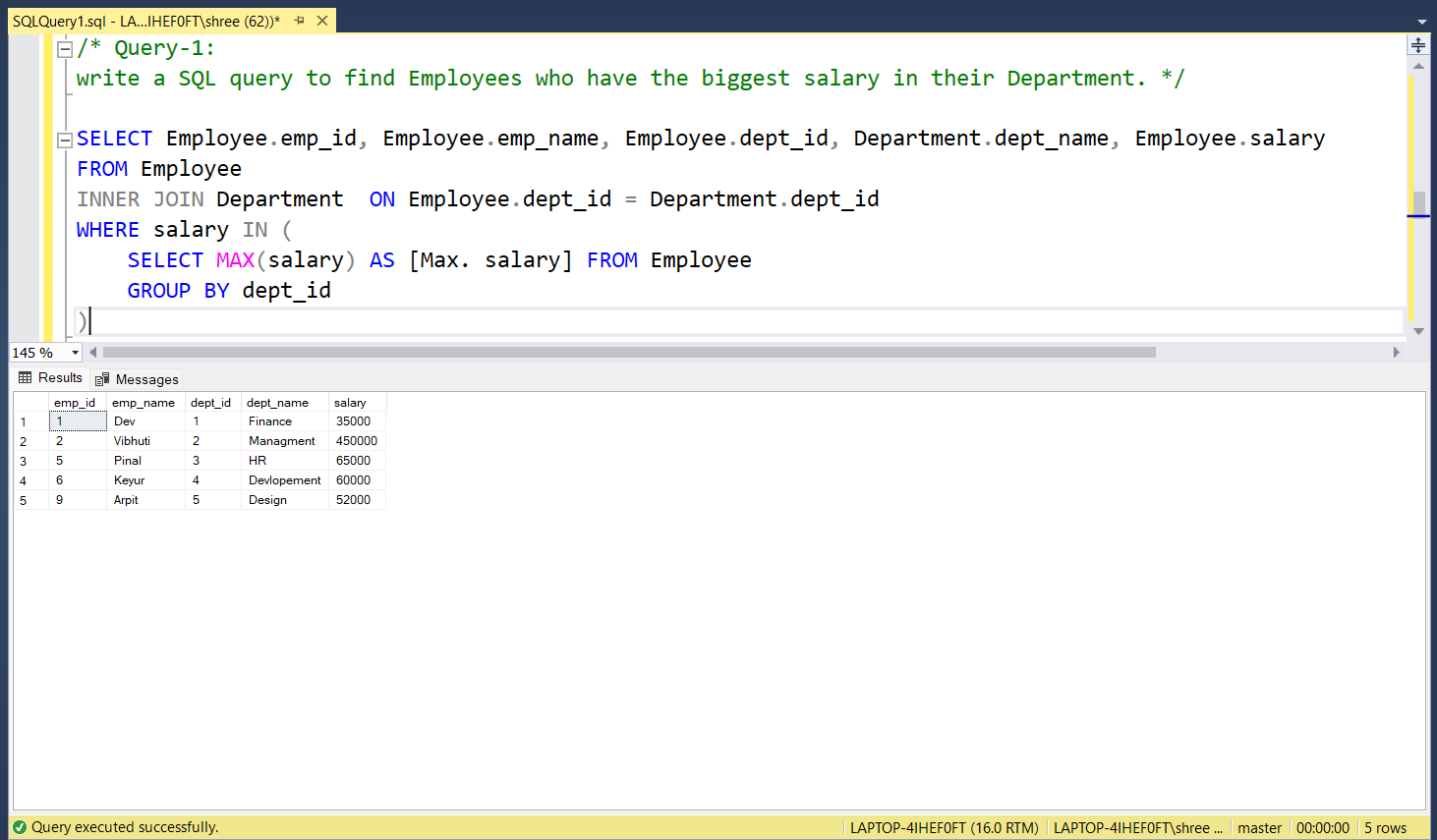
INNER JOIN Department ON Employee.dept\_id = Department.dept\_id

WHERE salary IN (

SELECT MAX(salary) AS [Max. salary] FROM Employee

GROUP BY dept\_id

)



**2)** **Write a SQL query to find Departments that have less than 3 people in it.**

Answer: -

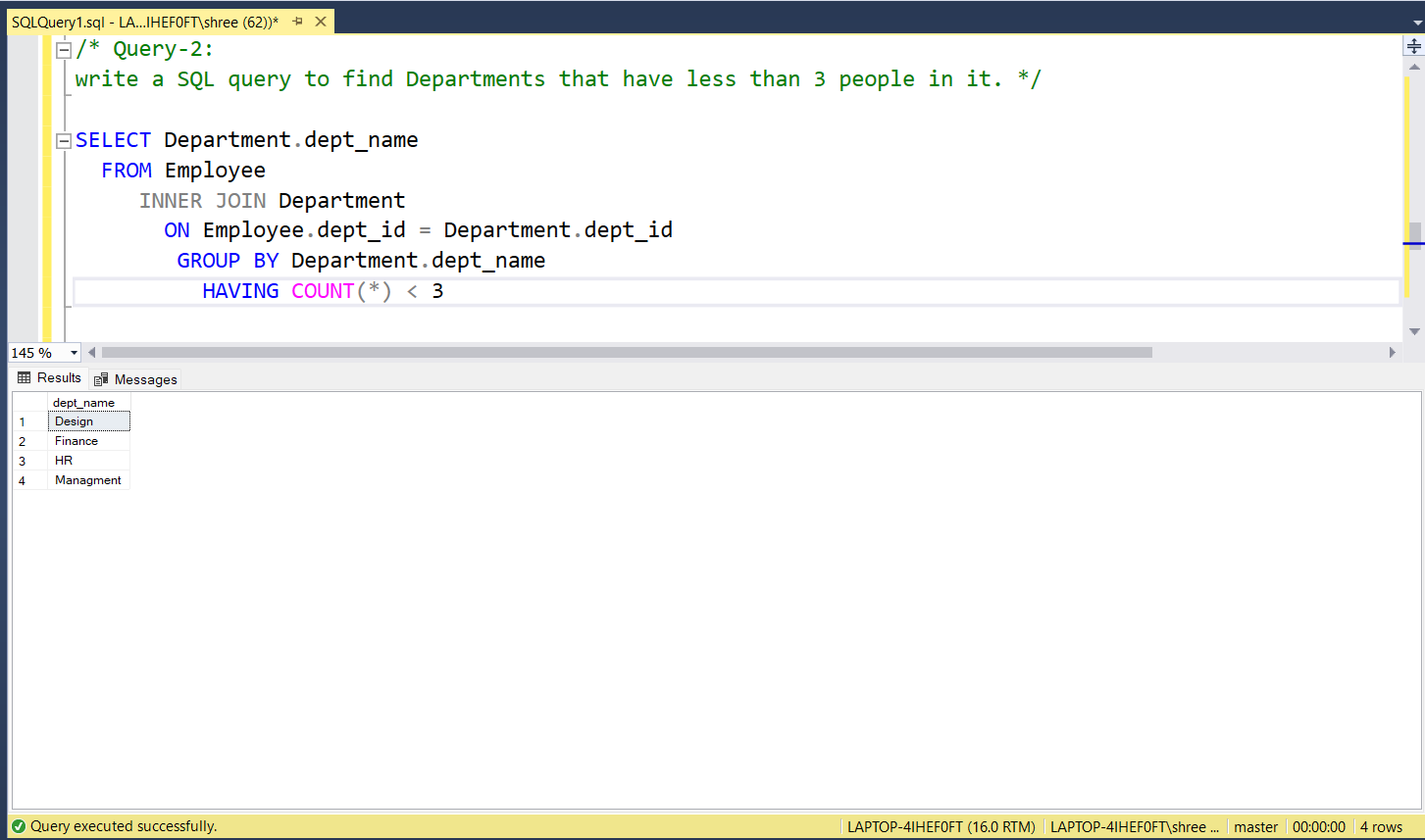
SELECT Department.dept\_name

FROM Employee

INNER JOIN Department ON Employee.dept\_id = Department.dept\_id

GROUP BY Department.dept\_name

HAVING COUNT(\*) < 3



**3) Write a SQL query to find All Department along with the number of people there.**

Answer: -

SELECT

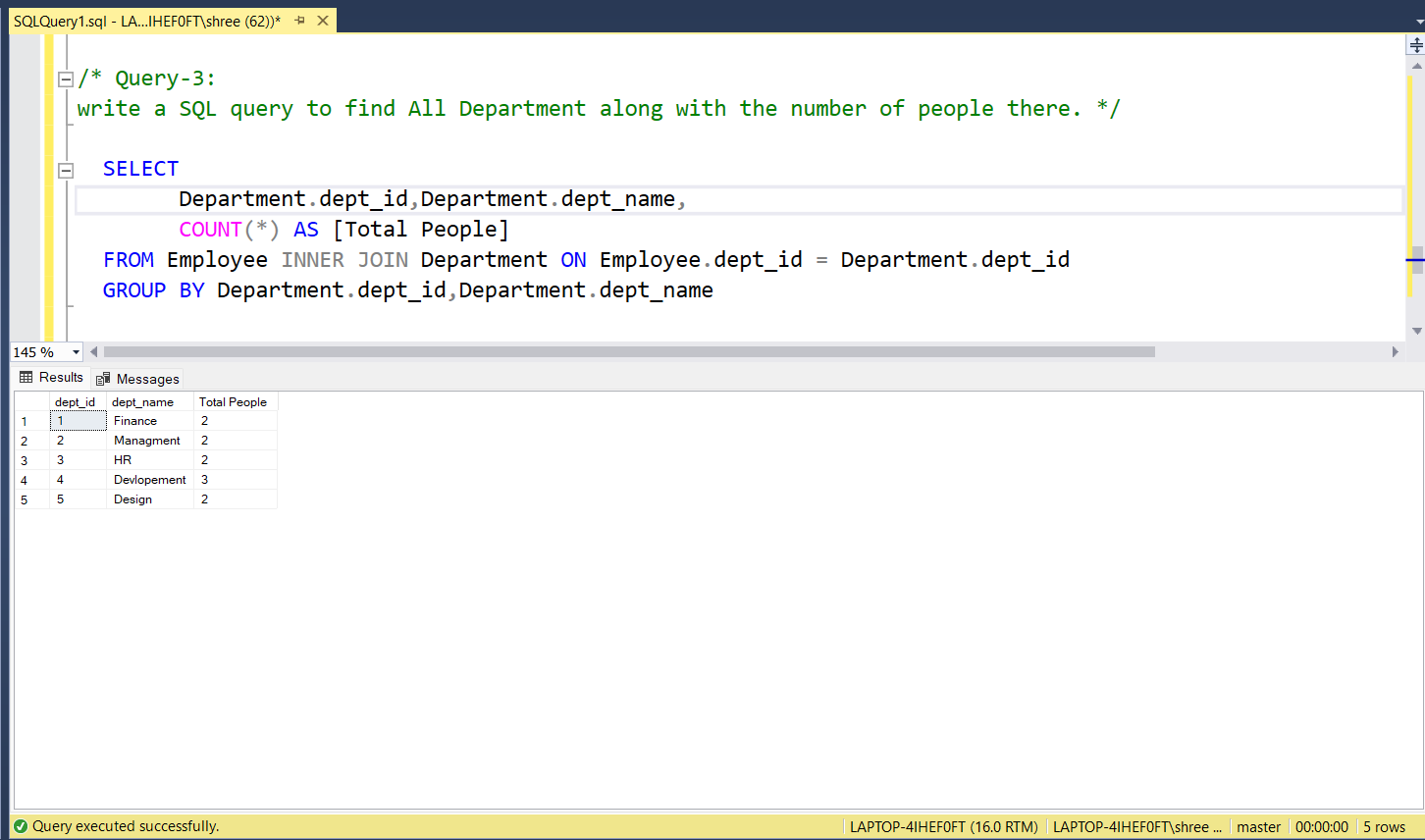
Department.dept\_id,Department.dept\_name,

COUNT(\*) AS [Total People]

FROM Employee INNER JOIN Department

ON Employee.dept\_id = Department.dept\_id

GROUP BY Department.dept\_id,Department.dept\_name



**4) Write a SQL query to find All Department along with the total salary there.**

Answer: -

SELECT

Department.dept\_id,Department.dept\_name,

SUM(salary) AS [Total Salary]

FROM Employee INNER JOIN Department

ON Employee.dept\_id = Department.dept\_id

GROUP BY Department.dept\_id,Department.dept\_name

