SQL ASSIGNMENT – 3

Department Table :

CREATE TABLE Department(

dept\_id int IDENTITY (1000,1) PRIMARY KEY NOT NULL,

dept\_name NCHAR(50) NOT NULL

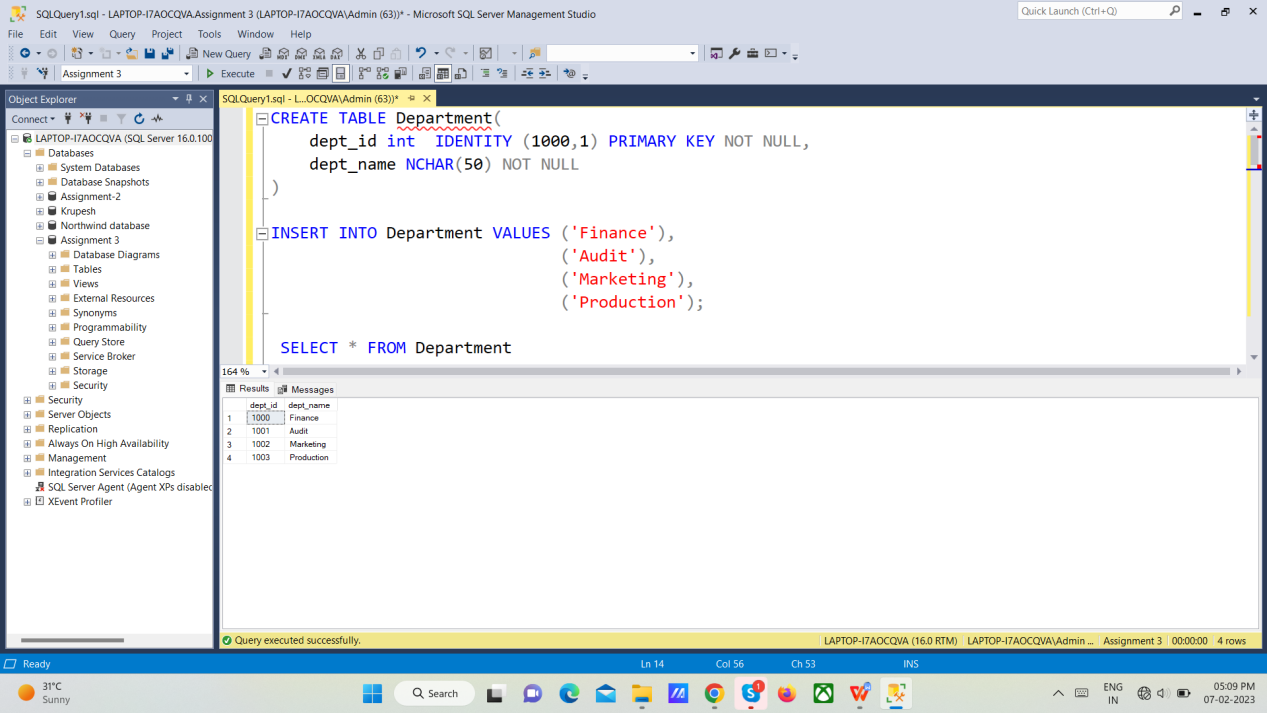
)

INSERT INTO Department VALUES ('Finance'),

('Audit'),

('Marketing'),

('Production');



Employee Table :

CREATE TABLE Employee(

emp\_id INT IDENTITY (6000, 1) PRIMARY KEY NOT NULL,

dept\_id INT NOT NULL,

FOREIGN KEY (dept\_id) REFERENCES Department(dept\_id),

mnger\_id INT NOT NULL,

emp\_name NCHAR(50) NOT NULL,

salary INT NOT NULL

)

INSERT INTO Employee VALUES (1001,68319,'Kayling',6000),

(1003,68319,'Blaze',2750),

(1001,68319,'Clare',2550),

(1002,68319,'Jonas',2957),

(1002,65646,'Scarlet',3100),

(1002,65646,'Frank',3100),

(1002,69062,'Sandrine',900),

(1003,66928,'Adelyn',1700),

(1003,66928,'Wade',1350),

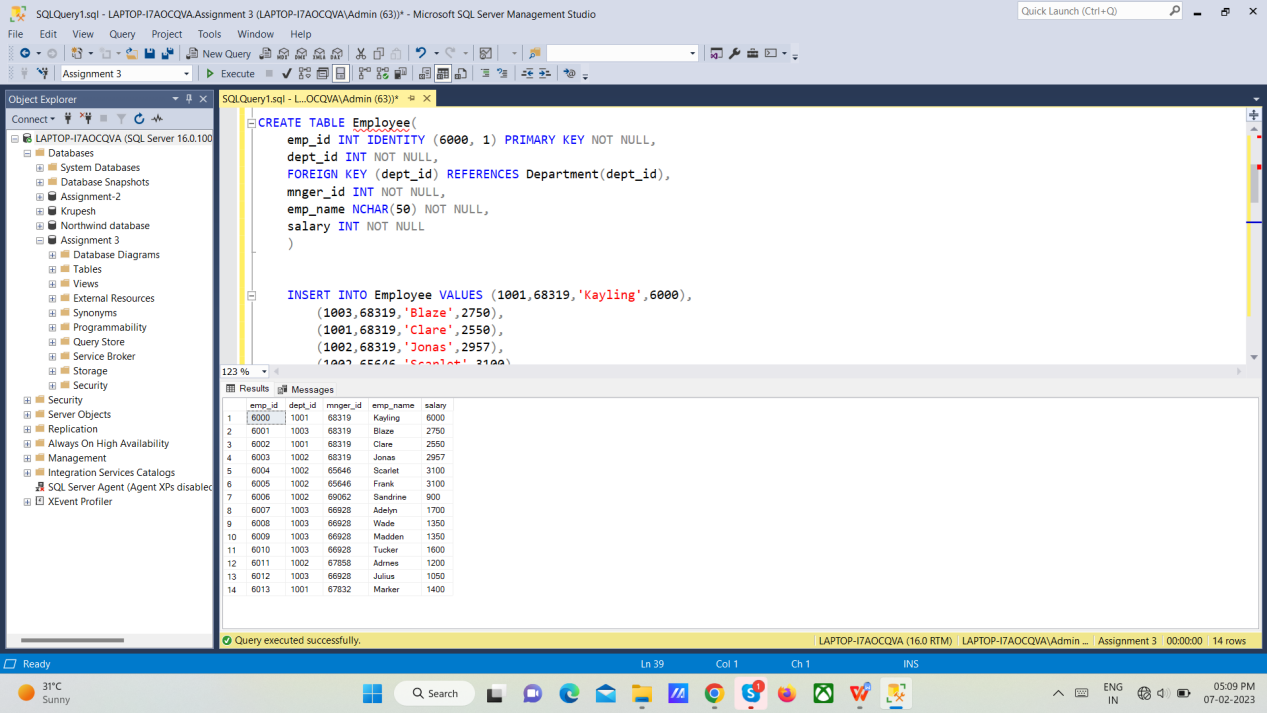
(1003,66928,'Madden',1350),

(1003,66928,'Tucker',1600),

(1002,67858,'Adrnes',1200),

(1003,66928,'Julius',1050),

(1001,67832,'Marker',1400)



/\*QUERY - 1\*/

SELECT d.dept\_name, e.emp\_name, e.salary

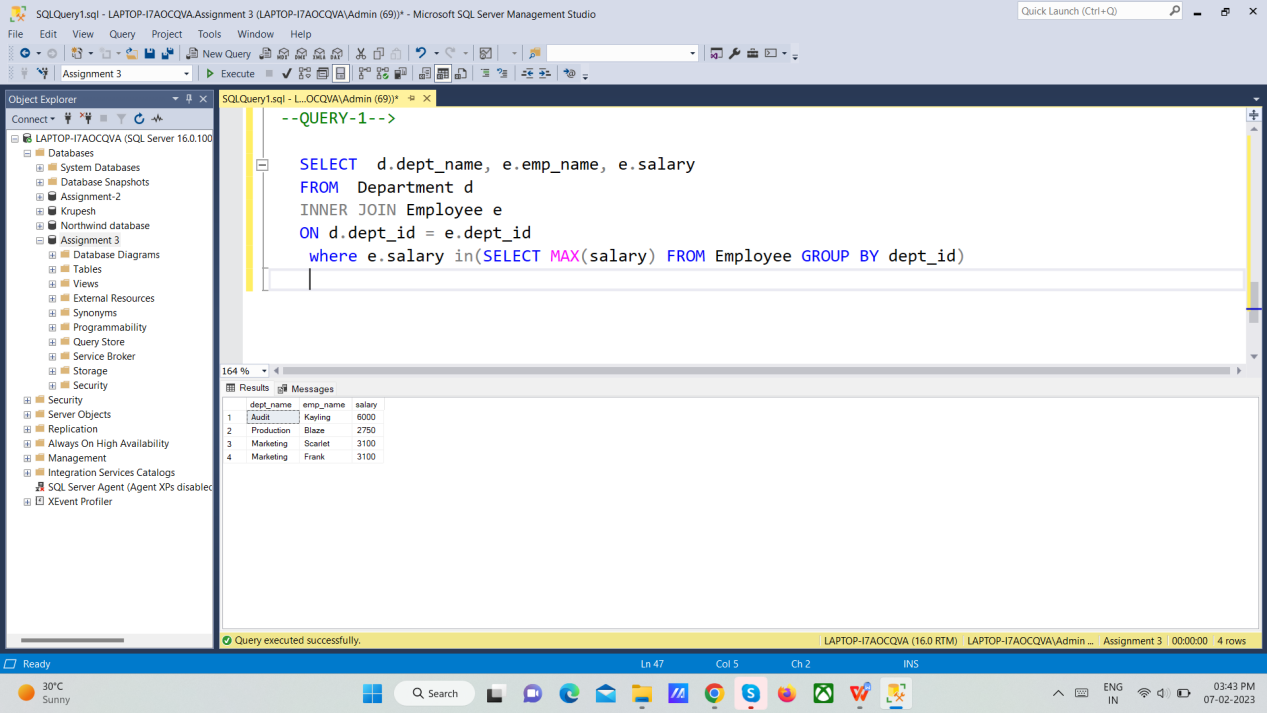
FROM Department d

INNER JOIN Employee e

ON d.dept\_id = e.dept\_id

where e.salary in(SELECT MAX(salary) FROM Employee GROUP BY dept\_id)

OUTPUT -



/\*QUERY - 2\*/

SELECT d.dept\_name

FROM Department d

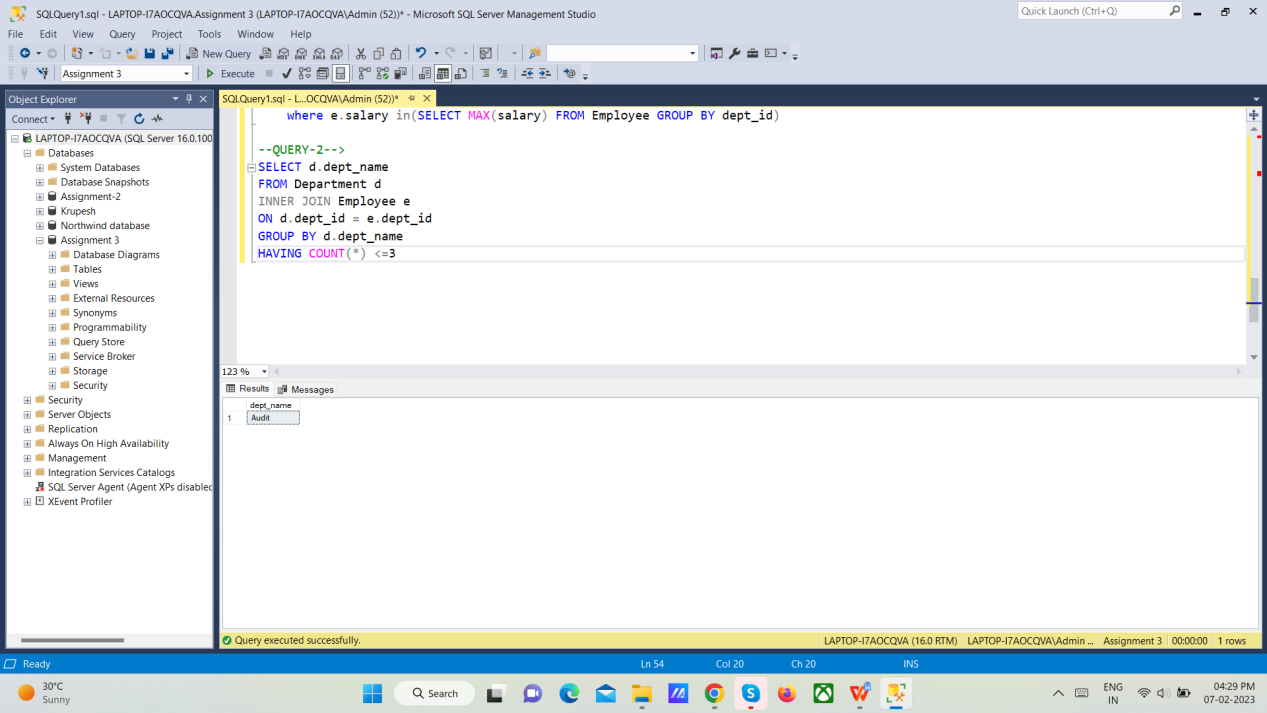
INNER JOIN Employee e

ON d.dept\_id = e.dept\_id

GROUP BY d.dept\_name

HAVING COUNT(\*) <= 3;

OUTPUT -



/\*QUERY - 3\*/

SELECT d.dept\_name, COUNT(e.emp\_name) AS NoOfEmp

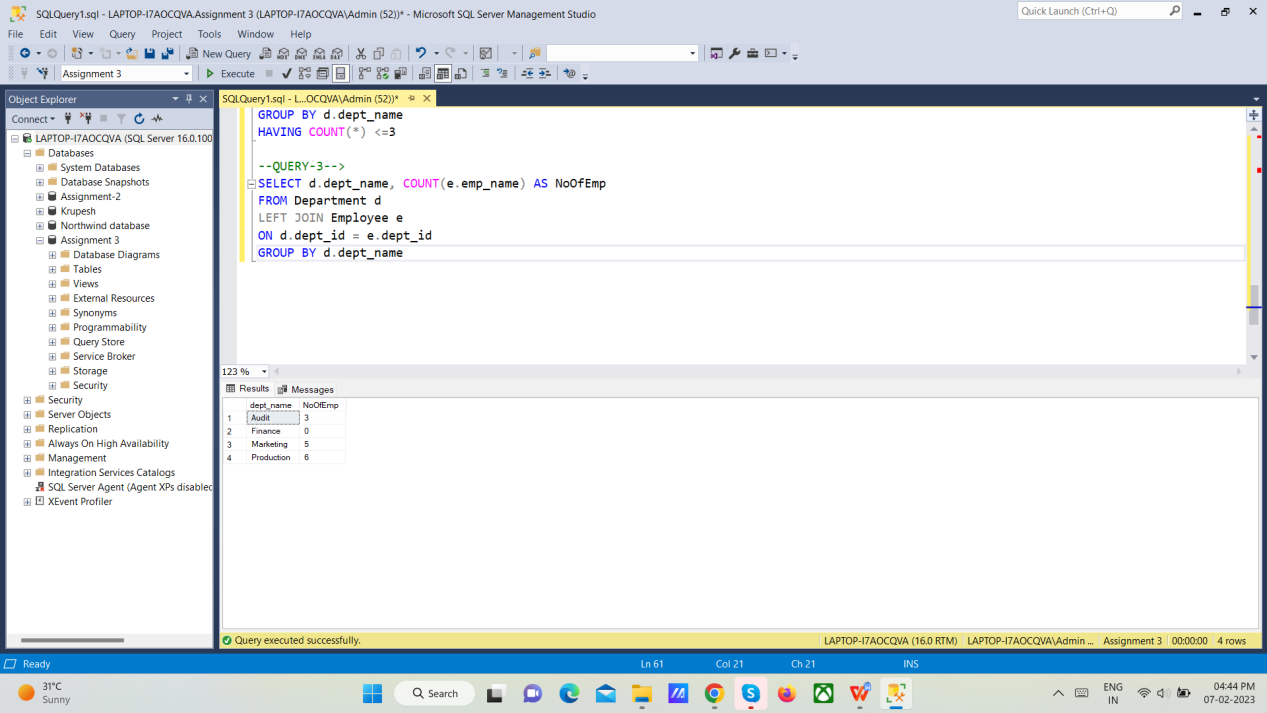
FROM Department d

LEFT JOIN Employee e

ON d.dept\_id = e.dept\_id

GROUP BY d.dept\_name

OUTPUT -



/\*QUERY - 4\*/

SELECT d.dept\_name, SUM(salary) AS TotalSalary

FROM Department d

LEFT JOIN Employee e

ON d.dept\_id = e.dept\_id

GROUP BY d.dept\_name

OUTPUT -

