August 30, 2022 Assessment

Question A

DROP TABLE IF EXISTS Employee;

-- Question A

CREATE TABLE Employee (

id INT NOT NULL,

Name VARCHAR(25),

Joining\_dt date,

Manager\_id INT,

Dept VARCHAR(25),

Salary Decimal(8,2)

);

INSERT INTO

Employee(id, Name, Joining\_dt, Manager\_id, Dept, Salary)

VALUES

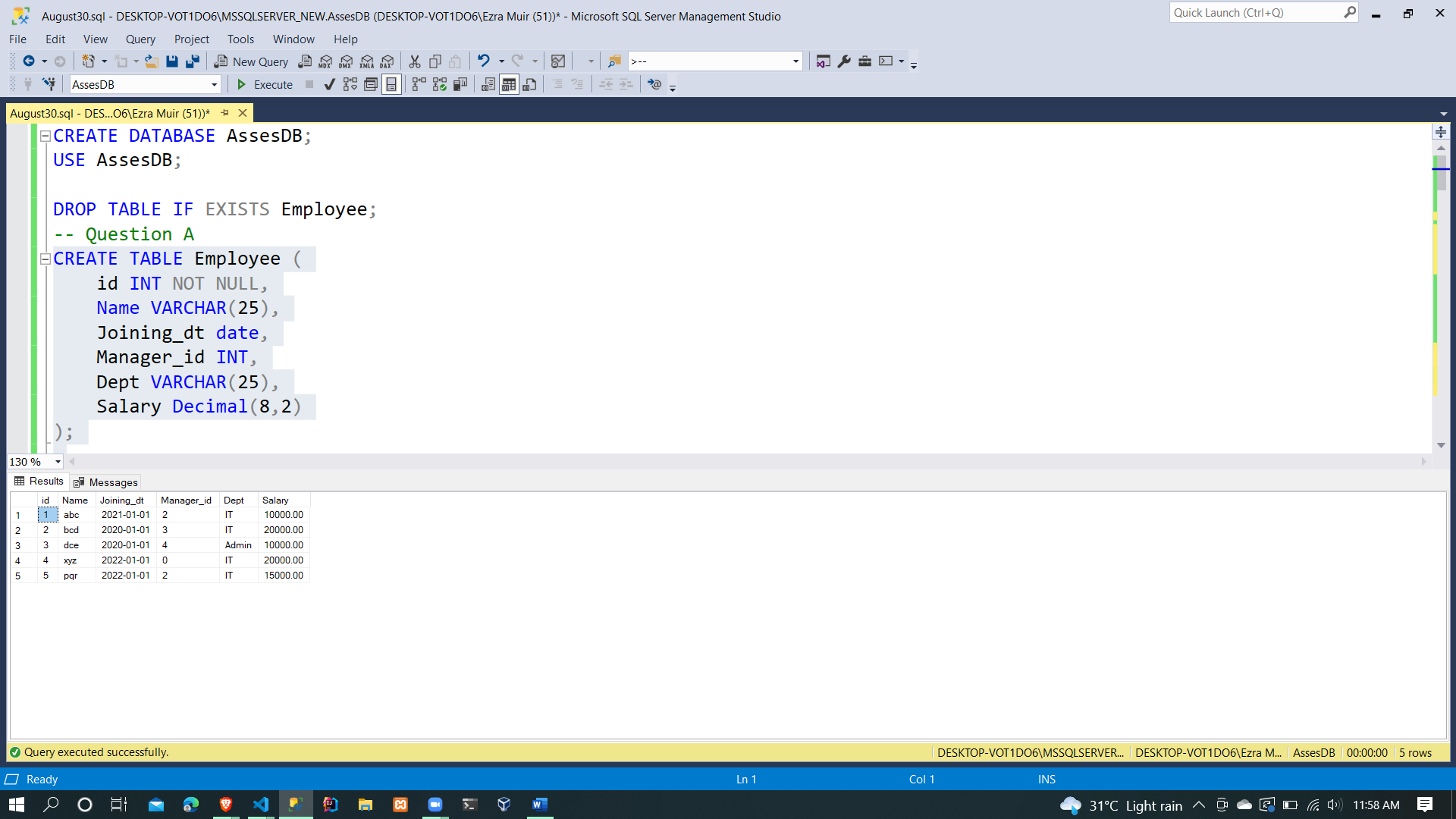
(1, 'abc', '01-01-2021', 2, 'IT', 10000),

(2, 'bcd', '01-01-2020', 3, 'IT', 20000),

(3, 'dce', '01-01-2020', 4, 'Admin', 10000),

(4, 'xyz', '01-01-2022', 0, 'IT', 20000),

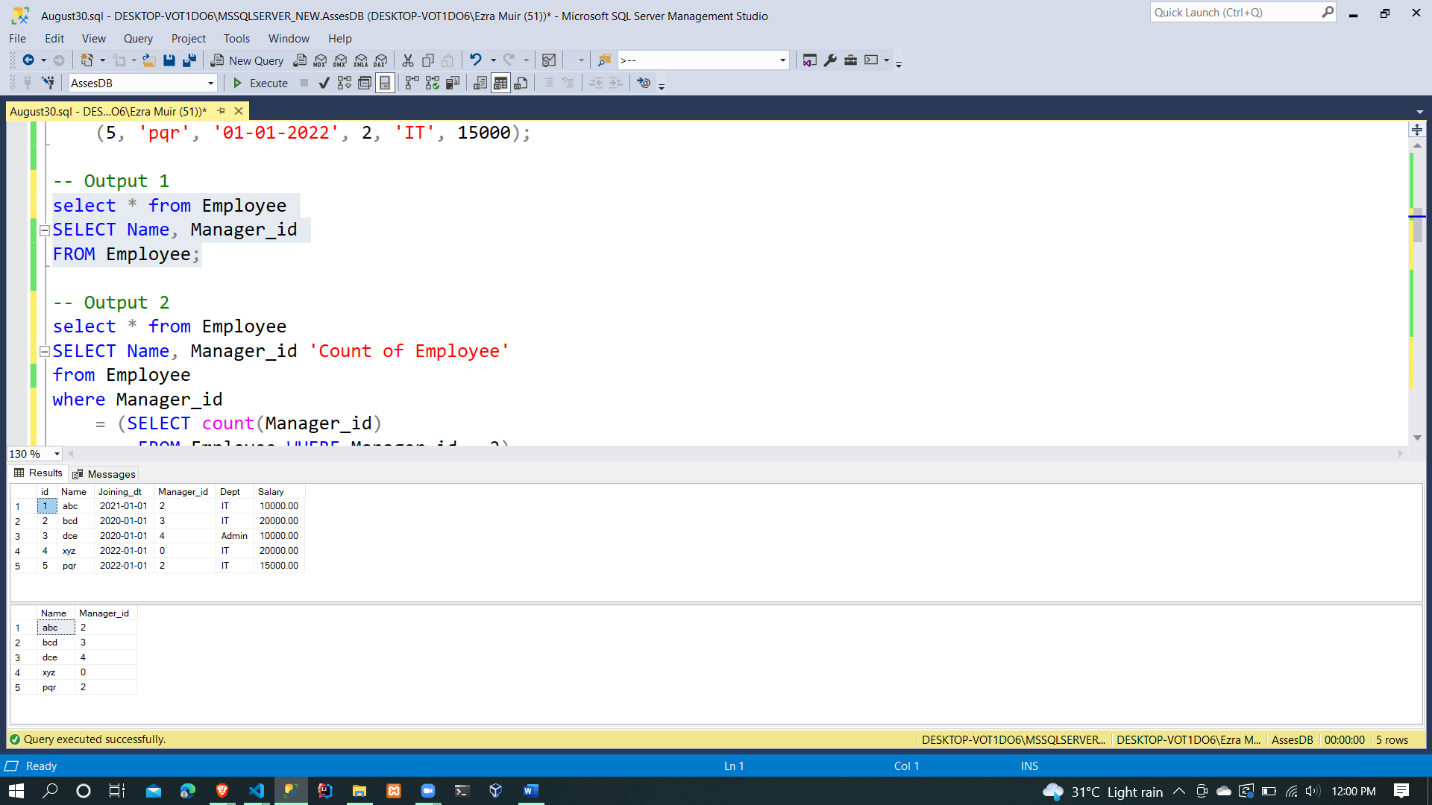
(5, 'pqr', '01-01-2022', 2, 'IT', 15000);



Output 1

SELECT Name, Manager\_id

FROM Employee;



Output 2

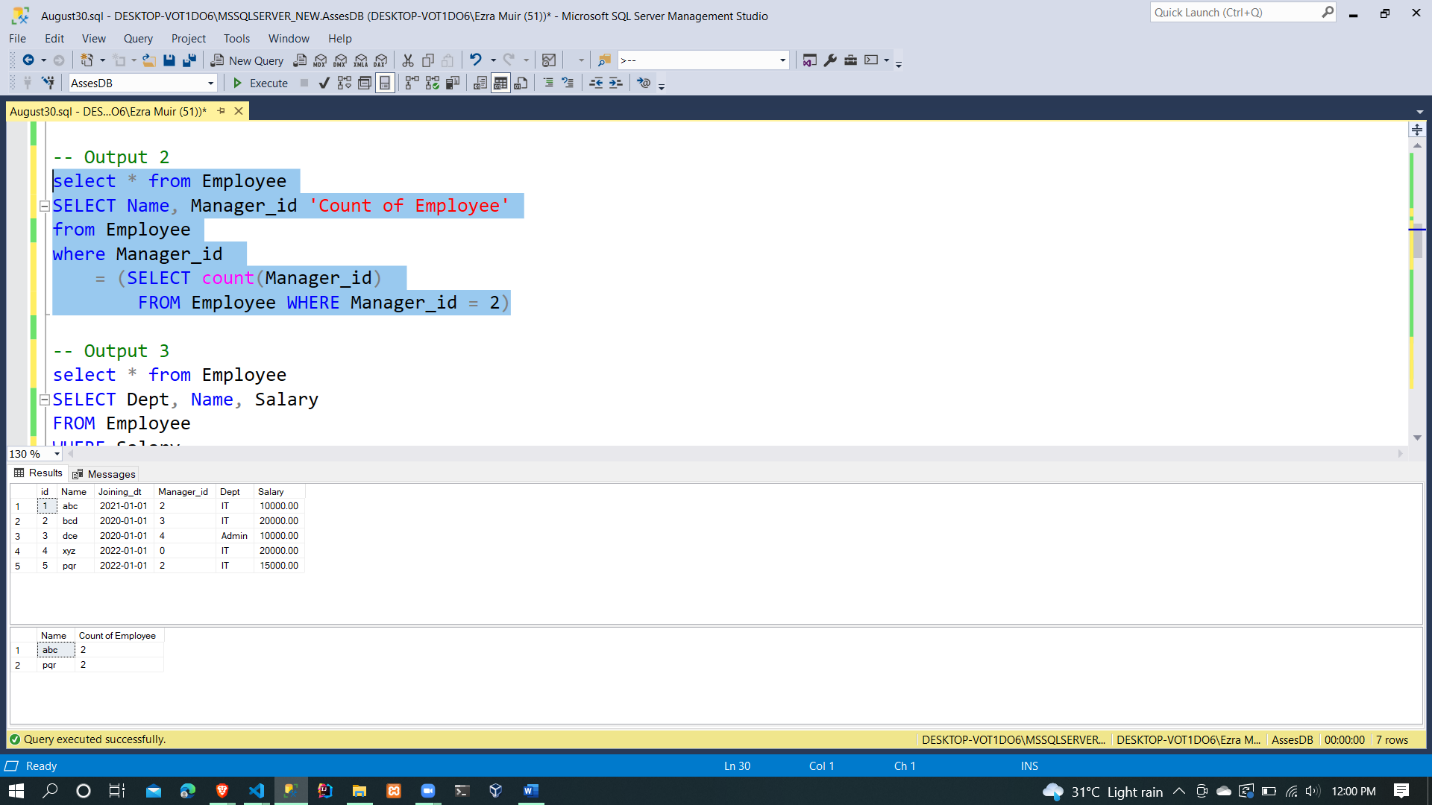
SELECT Name, Manager\_id 'Count of Employee'

from Employee

where Manager\_id

= (SELECT count(Manager\_id)

FROM Employee WHERE Manager\_id = 2)



Output 3

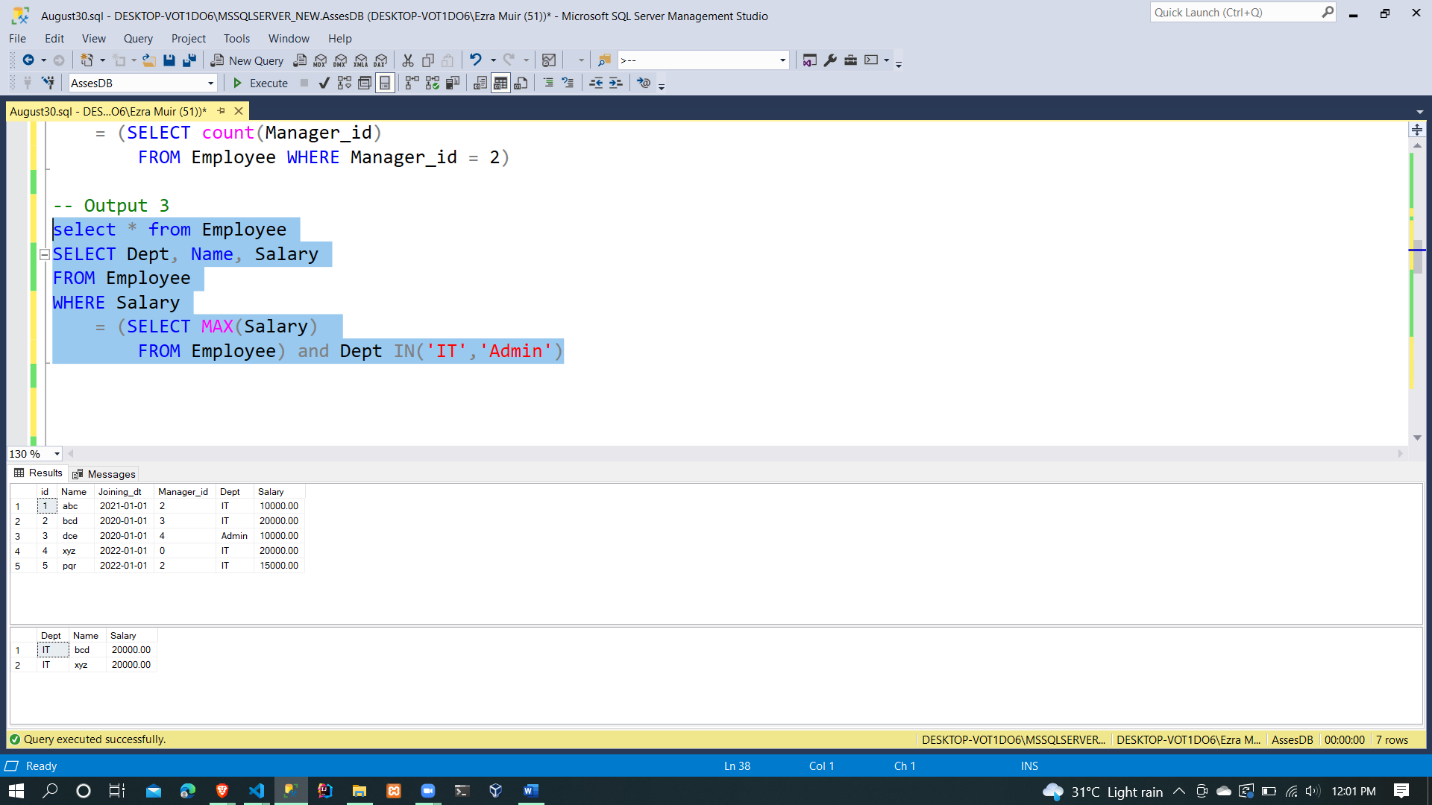
SELECT Dept, Name, Salary

FROM Employee

WHERE Salary

= (SELECT MAX(Salary)

FROM Employee) and Dept IN('IT','Admin')



Question B

DROP TABLE IF EXISTS Account;

-- Question B

CREATE TABLE Account (

id INT NOT NULL,

Name VARCHAR(25),

Status VARCHAR(25),

Tran\_id INT NOT NULL,

Tran\_type VARCHAR(1),

Tran\_amt DECIMAL(8,2),

Tran\_dt date

);

INSERT INTO

Account(id, Name, Status, Tran\_id, Tran\_type, Tran\_amt, Tran\_dt)

VALUES

(1, 'abc', 'act', 1, 'c', 500, '01-01-2022'),

(1, 'abc', 'act', 2, 'c', 500, '02-02-2022'),

(1, 'abc', 'act', 3, 'c', 500, '02-03-2022'),

(1, 'abc', 'act', 2, 'd', 500, '02-04-2022'),

(1, 'abc', 'act', 4, 'd', 500, '02-05-2022'),

(2, 'xyz', 'act', 1, 'c', 500, '01-01-2022'),

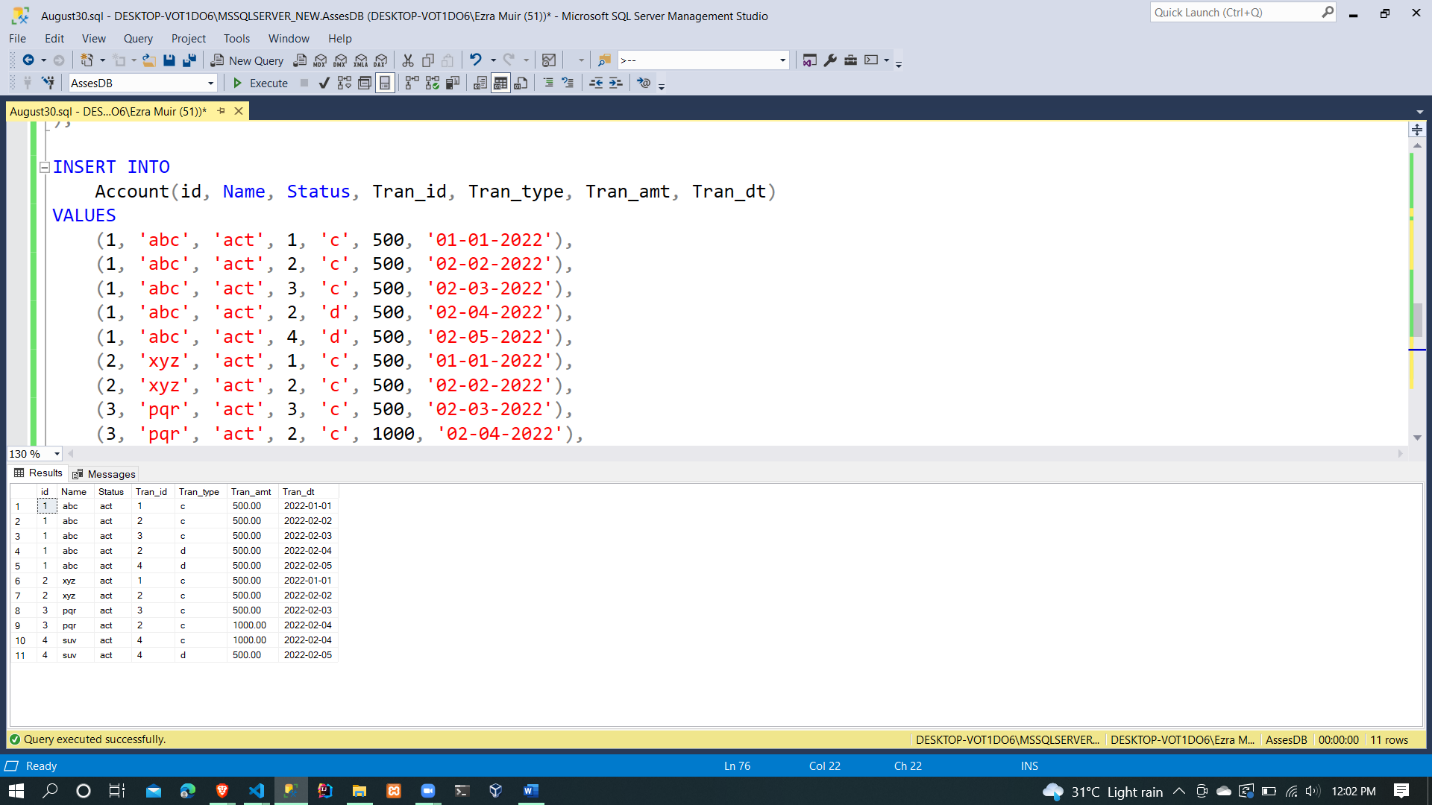
(2, 'xyz', 'act', 2, 'c', 500, '02-02-2022'),

(3, 'pqr', 'act', 3, 'c', 500, '02-03-2022'),

(3, 'pqr', 'act', 2, 'c', 1000, '02-04-2022'),

(4, 'suv', 'act', 4, 'c', 1000, '02-04-2022'),

(4, 'suv', 'act', 4, 'd', 500, '02-05-2022');



Output 1

SELECT TOP 1 \*

FROM Account

WHERE Tran\_type='c'

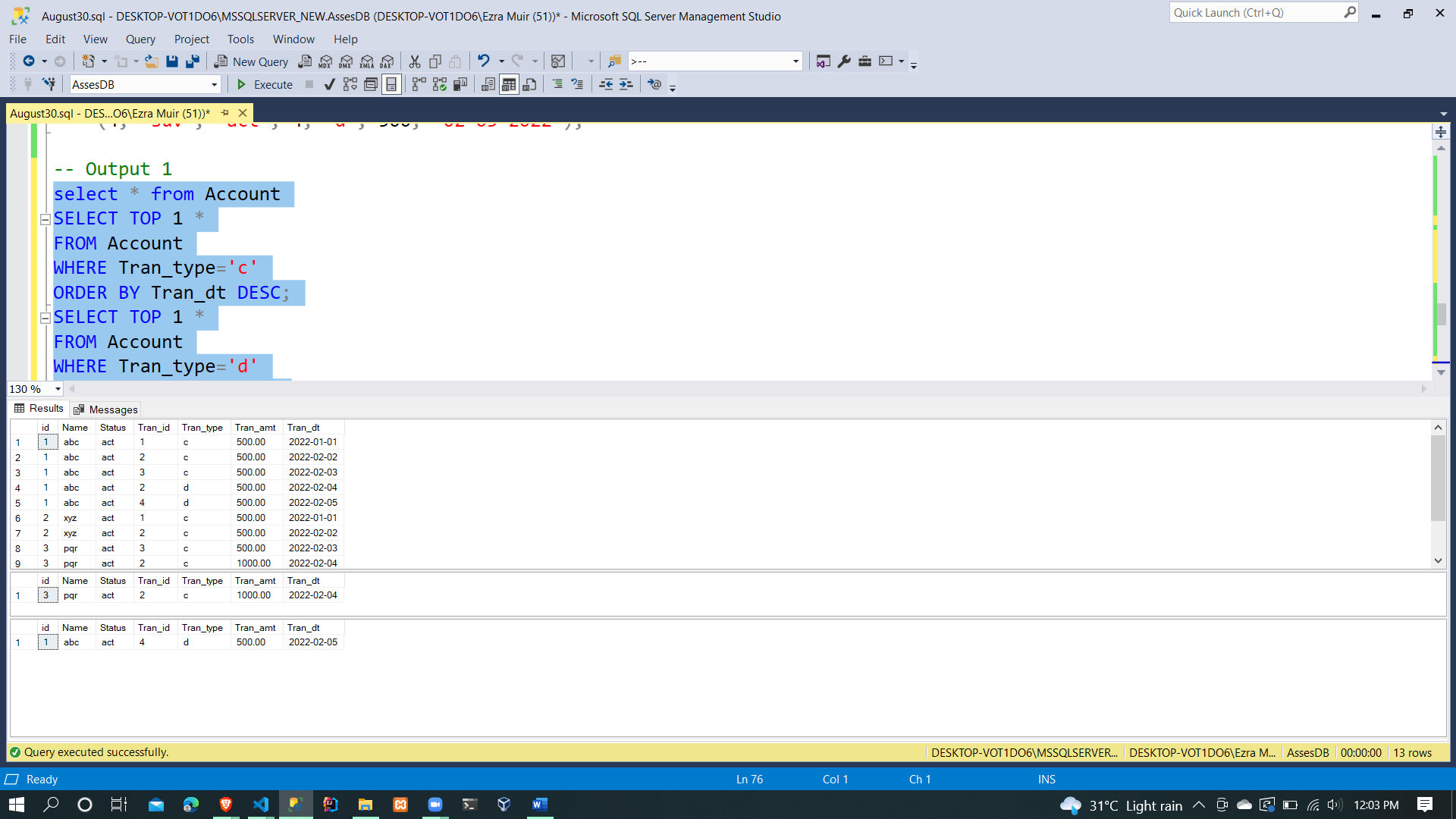
ORDER BY Tran\_dt DESC;

SELECT TOP 1 \*

FROM Account

WHERE Tran\_type='d'

ORDER BY Tran\_dt DESC;



Output 2

SELECT DISTINCT id, Tran\_amt 'sum(credit)', 'sum(debit)'

FROM Account

WHERE Tran\_amt

=(Select Sum(Tran\_amt) FROM Account WHERE Tran\_type='c')

or Tran\_amt

=(select SUM(Tran\_amt) FROM Account WHERE Tran\_type='d')