ASSIGNMENT – 1

--Product table--

create table products(

product\_id int primary key identity(1,1) not null,

product\_name varchar(200) not null,

supplier\_id int,

category\_id int,

quantitiy\_per\_unit varchar(50) not null,

unit\_price decimal(10,4) not null,

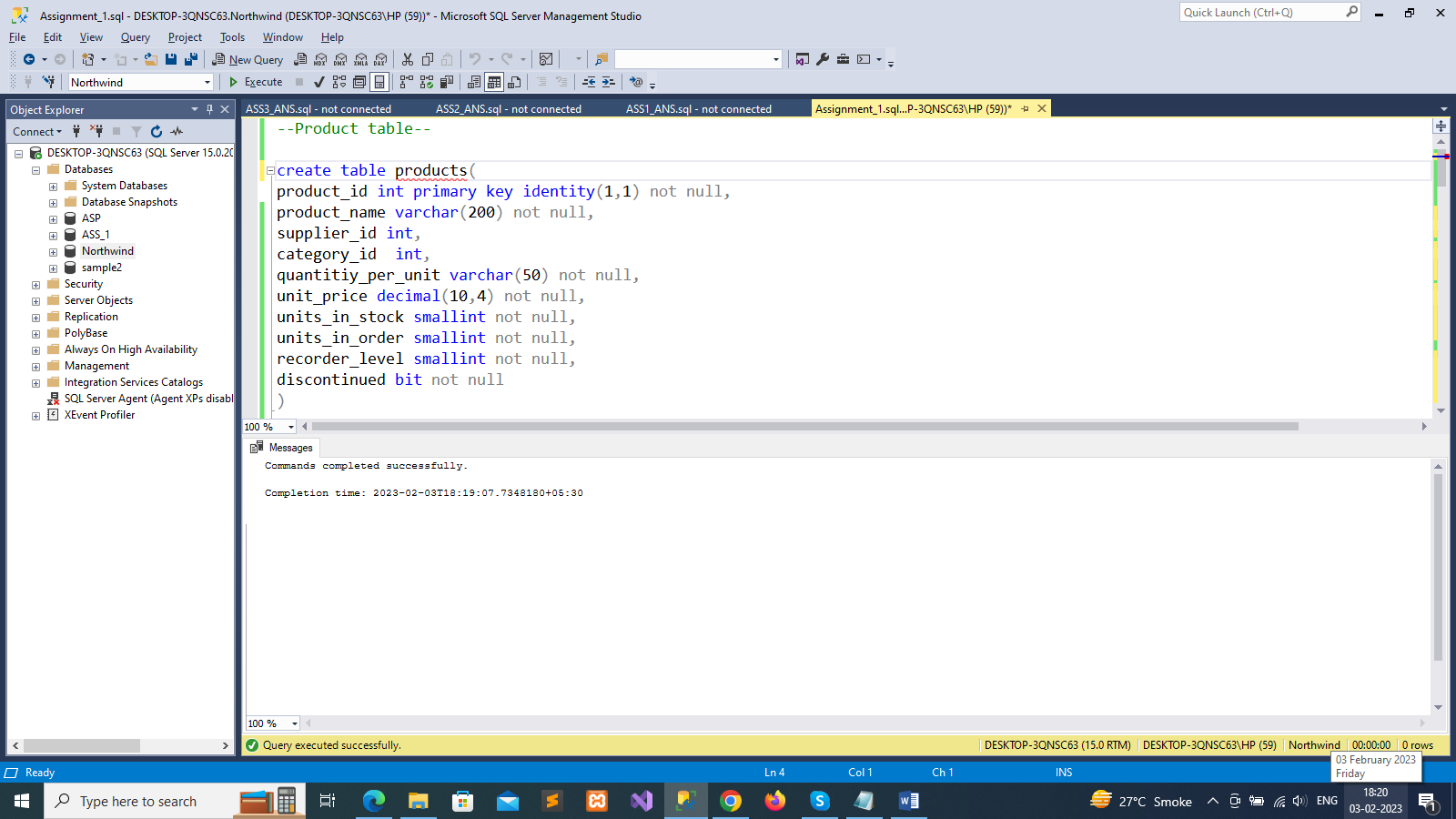
units\_in\_stock smallint not null,

units\_in\_order smallint not null,

recorder\_level smallint not null,

discontinued bit not null

)



---insert record--

insert into products values('ABC',1,1,'24 - 12 oz bottles','18','39','0','10','1')

insert into products values('XYZ',2,1,'10 boxes x 20 bags','19','17','25','10','0')

insert into products values('OPQ',3,5,'12 - 550 ml bottles','21.3500','0','0','10','1')

insert into products values('AAA',3,6,'48 - 6 oz jars','18','39','0','10','1')

insert into products values('BBB',5,3,'36 boxes','28','39','90','10','0')

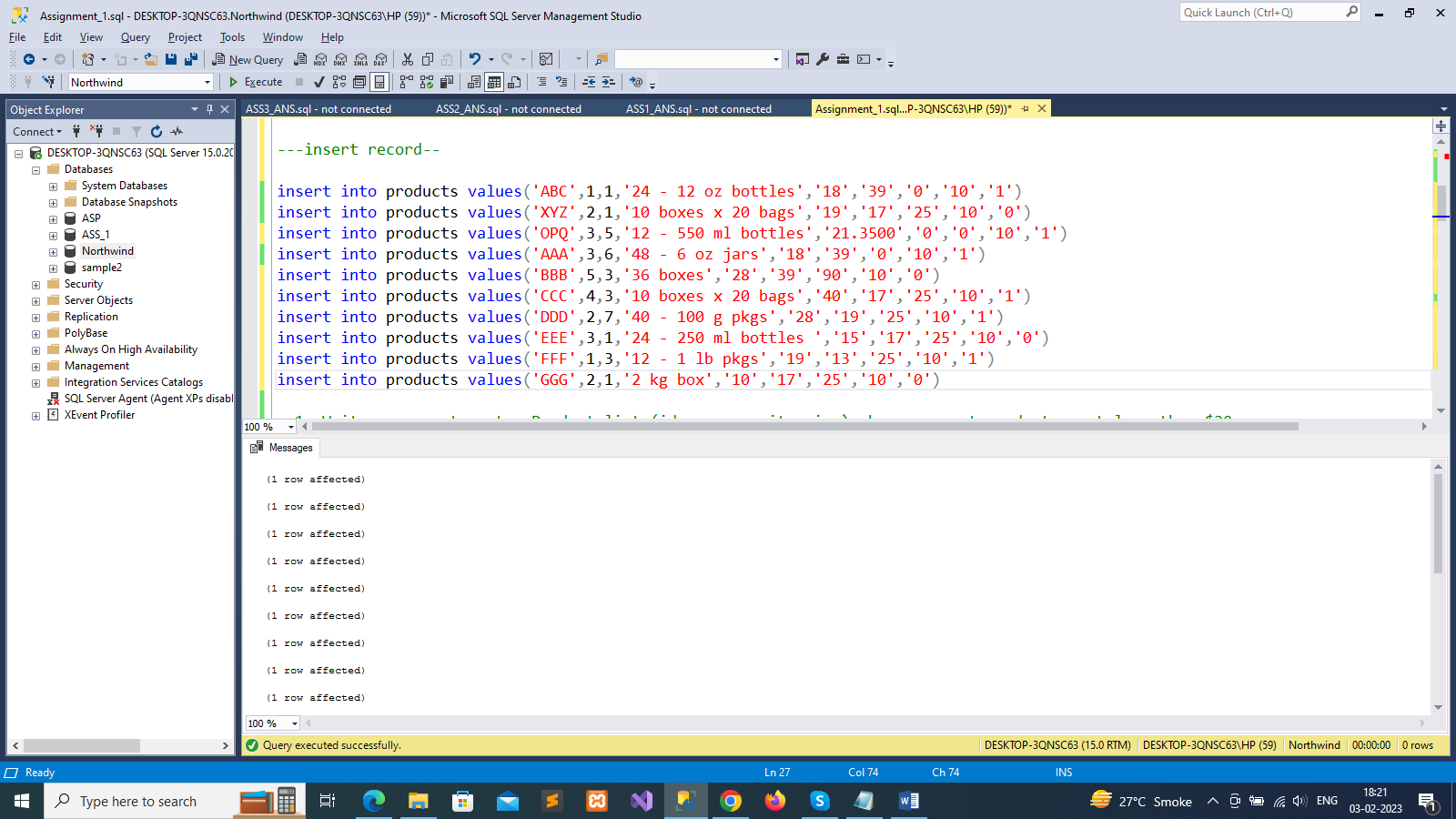
insert into products values('CCC',4,3,'10 boxes x 20 bags','40','17','25','10','1')

insert into products values('DDD',2,7,'40 - 100 g pkgs','28','19','25','10','1')

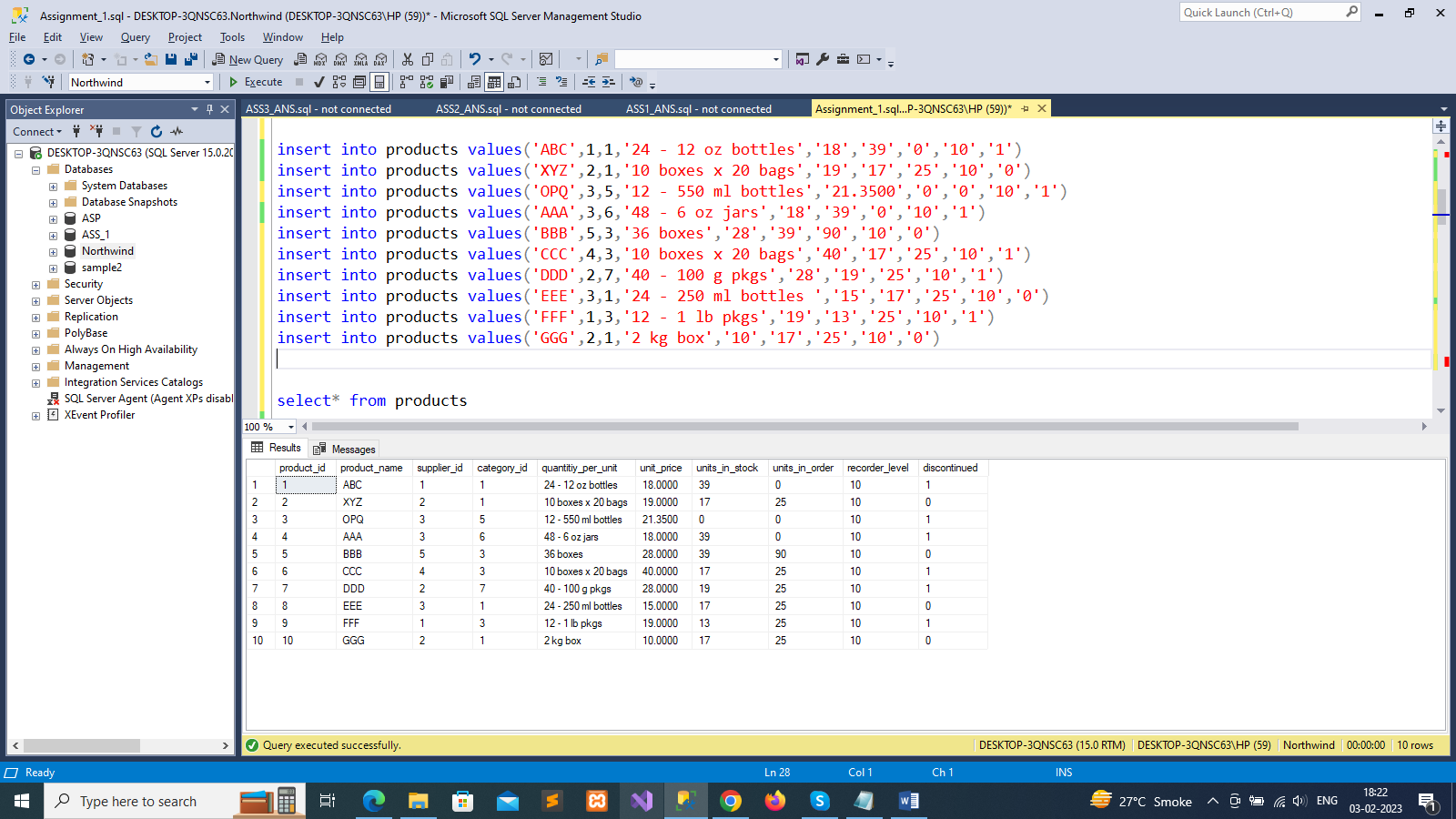
insert into products values('EEE',3,1,'24 - 250 ml bottles ','15','17','25','10','0')

insert into products values('FFF',1,3,'12 - 1 lb pkgs','19','13','25','10','1')

insert into products values('GGG',2,1,'2 kg box','10','17','25','10','0')



select\* from products



--1. Write a query to get a Product list (id, name, unit price) where current products cost less than $20.

select product\_id, product\_name, unit\_price

from products

where unit\_price < 20

order by unit\_price asc

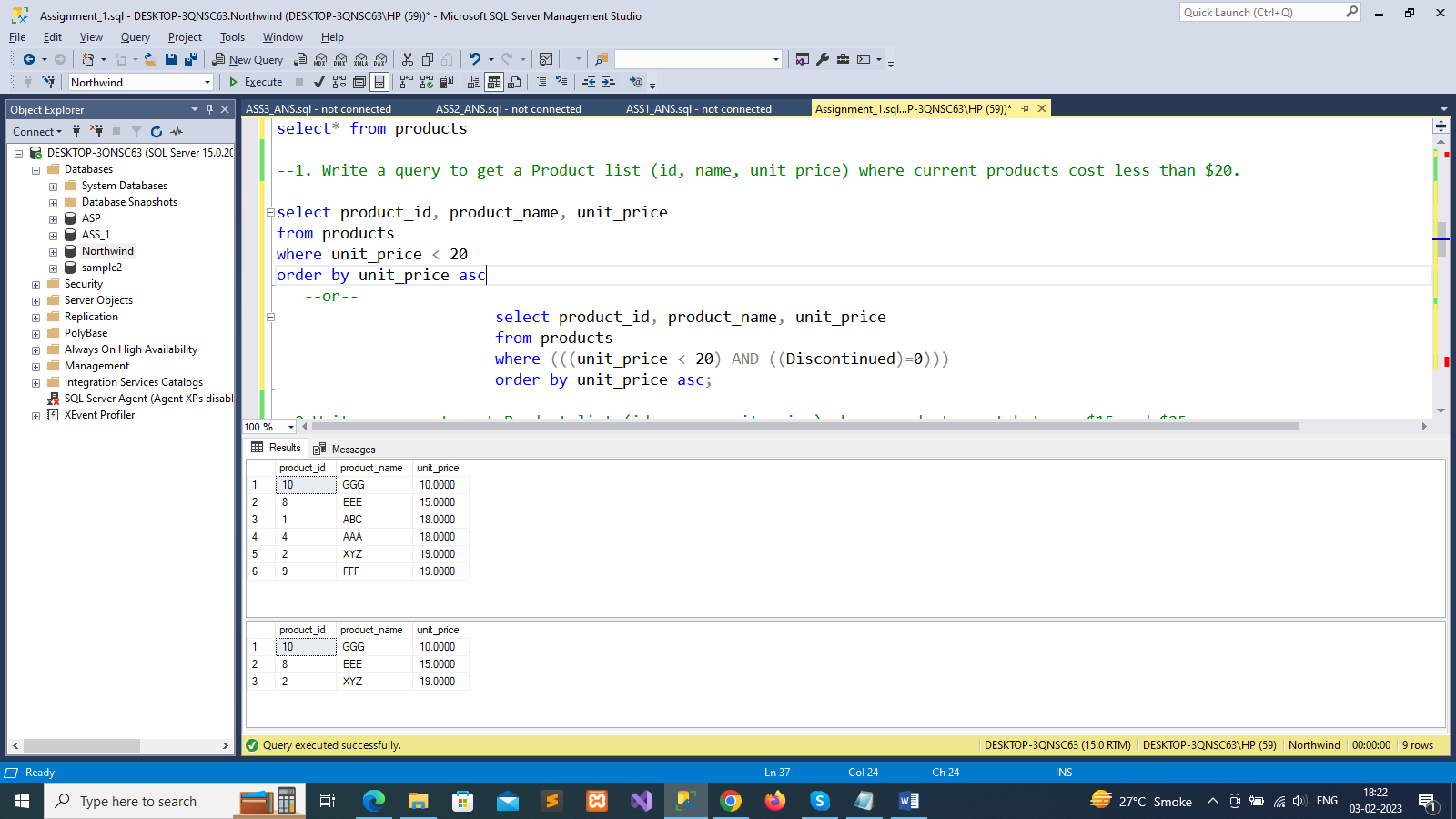
--or—

select product\_id, product\_name, unit\_price

from products

where (((unit\_price < 20) AND ((Discontinued)=0)))

order by unit\_price asc;



--2 Write a query to get Product list (id, name, unit price) where products cost between $15 and $25

select product\_id, product\_name, unit\_price

from products

where unit\_price between 15 and 25

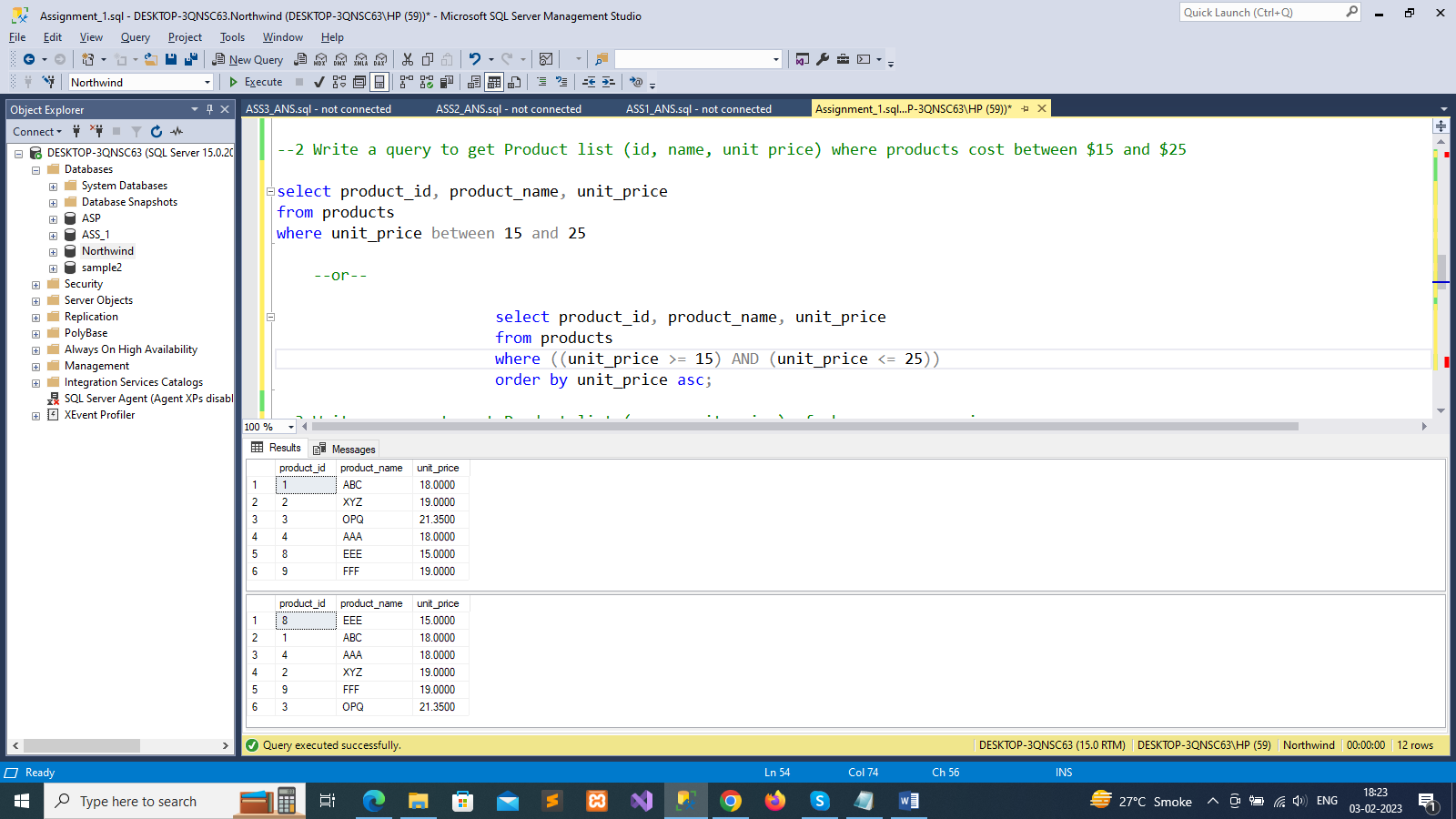
--or--

select product\_id, product\_name, unit\_price

from products

where ((unit\_price >= 15) AND (unit\_price <= 25))

order by unit\_price asc;



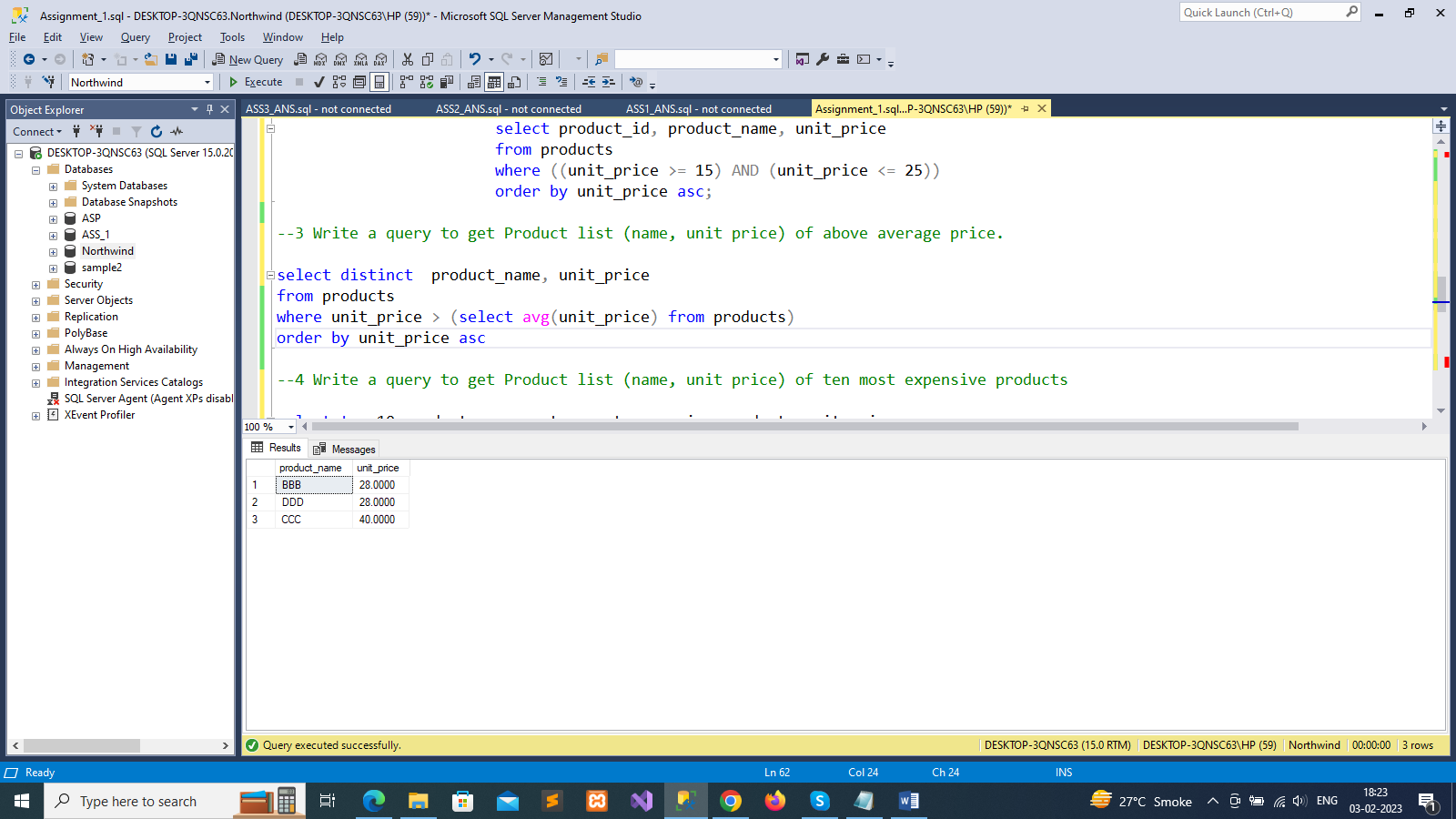
--3 Write a query to get Product list (name, unit price) of above average price.

select distinct product\_name, unit\_price

from products

where unit\_price > (select avg(unit\_price) from products)

order by unit\_price asc



--4 Write a query to get Product list (name, unit price) of ten most expensive products

select top 10 product\_name as ten\_most\_expensive\_product, unit\_price

from products

order by unit\_price desc

--or—

select distinct product\_name as ten\_most\_expensive\_product, unit\_price

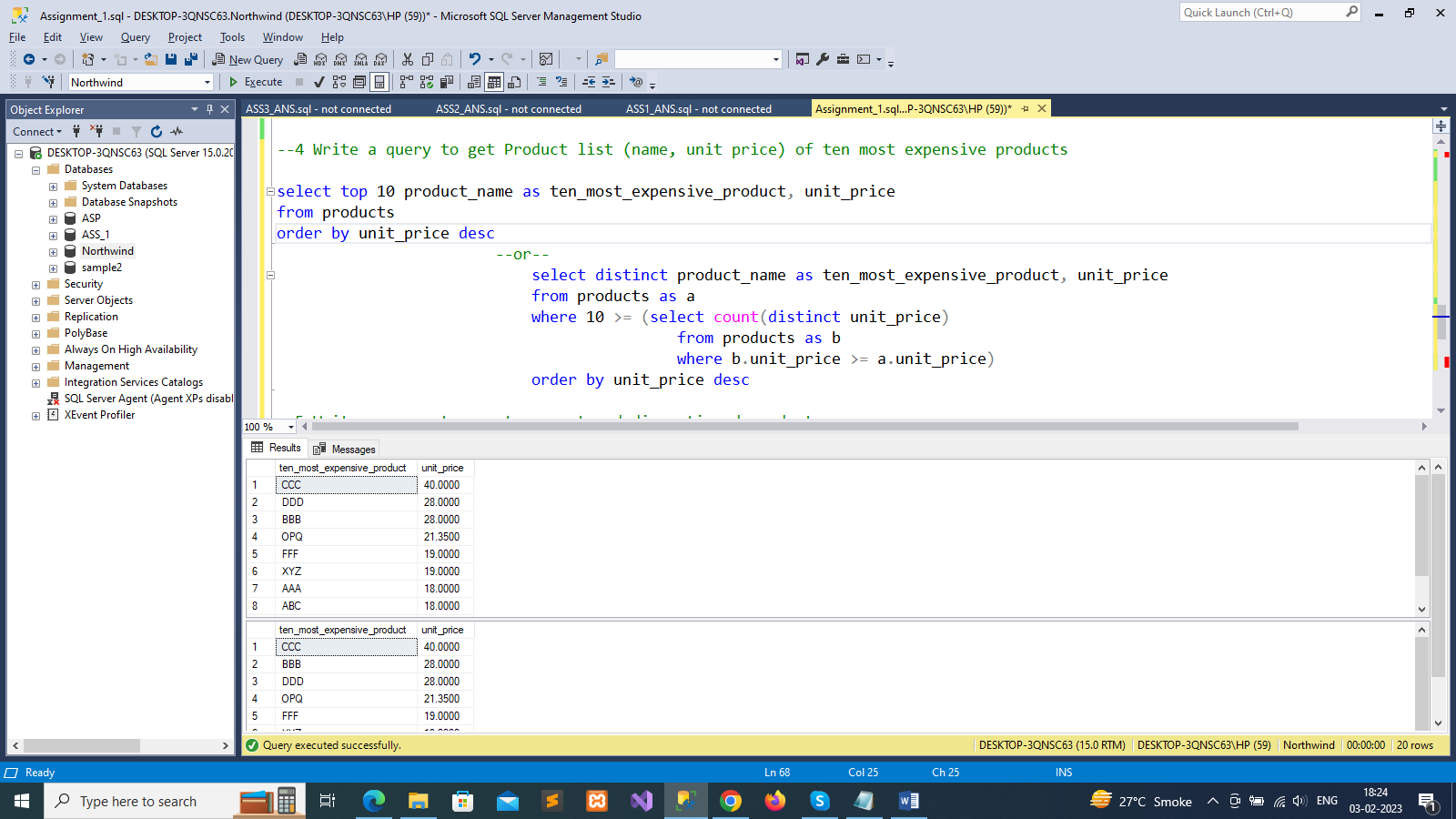
from products as a

where 10 >= (select count(distinct unit\_price)

from products as b

where b.unit\_price >= a.unit\_price)

order by unit\_price desc

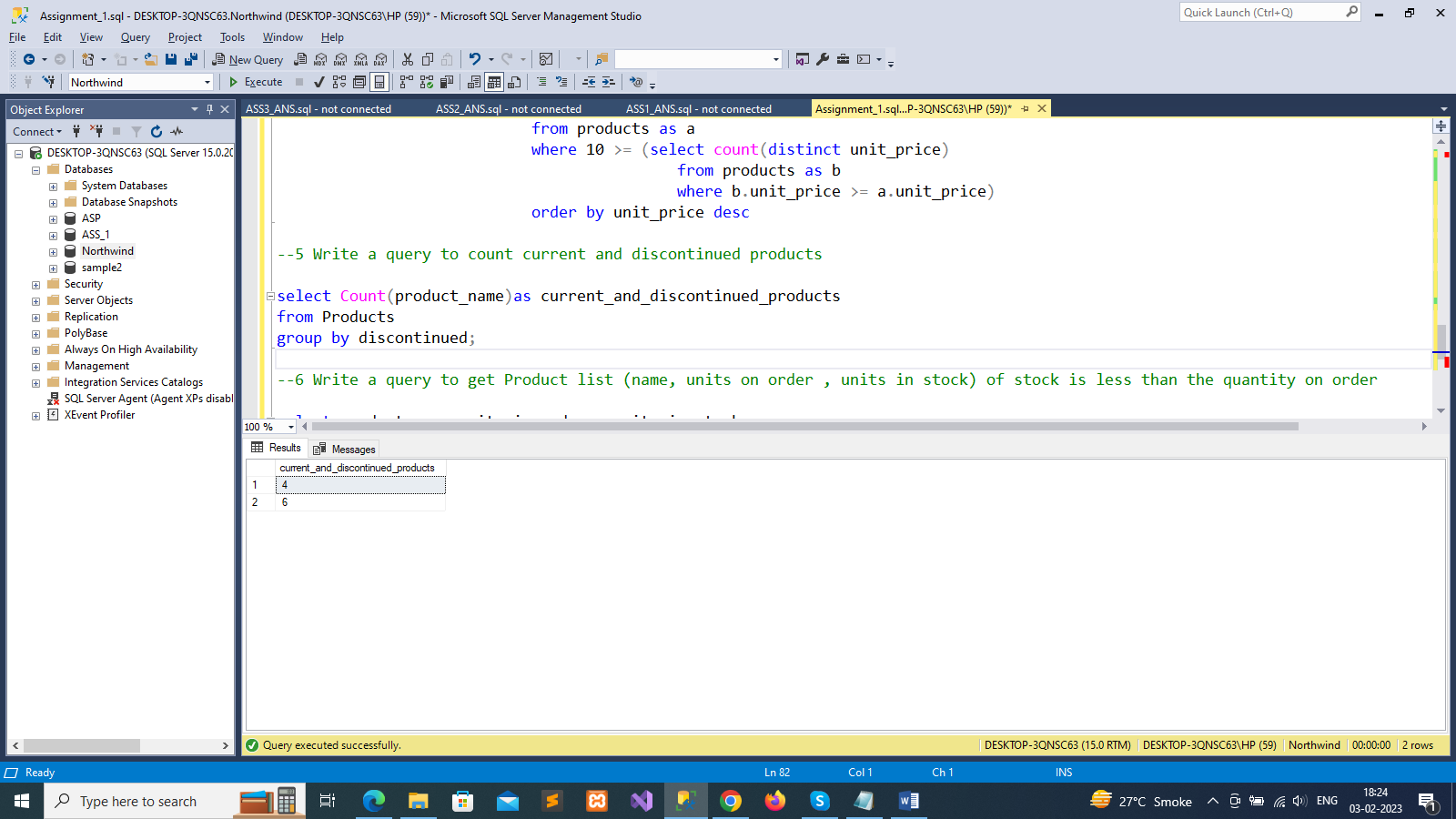


--5 Write a query to count current and discontinued products

select Count(product\_name)as current\_and\_discontinued\_products

from Products

group by discontinued;



--6 Write a query to get Product list (name, units on order , units in stock) of stock is less than the quantity on order

select product\_name,units\_in\_order , units\_in\_stock

from products

where (((discontinued)=0) AND ((units\_in\_stock)<units\_in\_order))

