ASSIGNMENT – 3

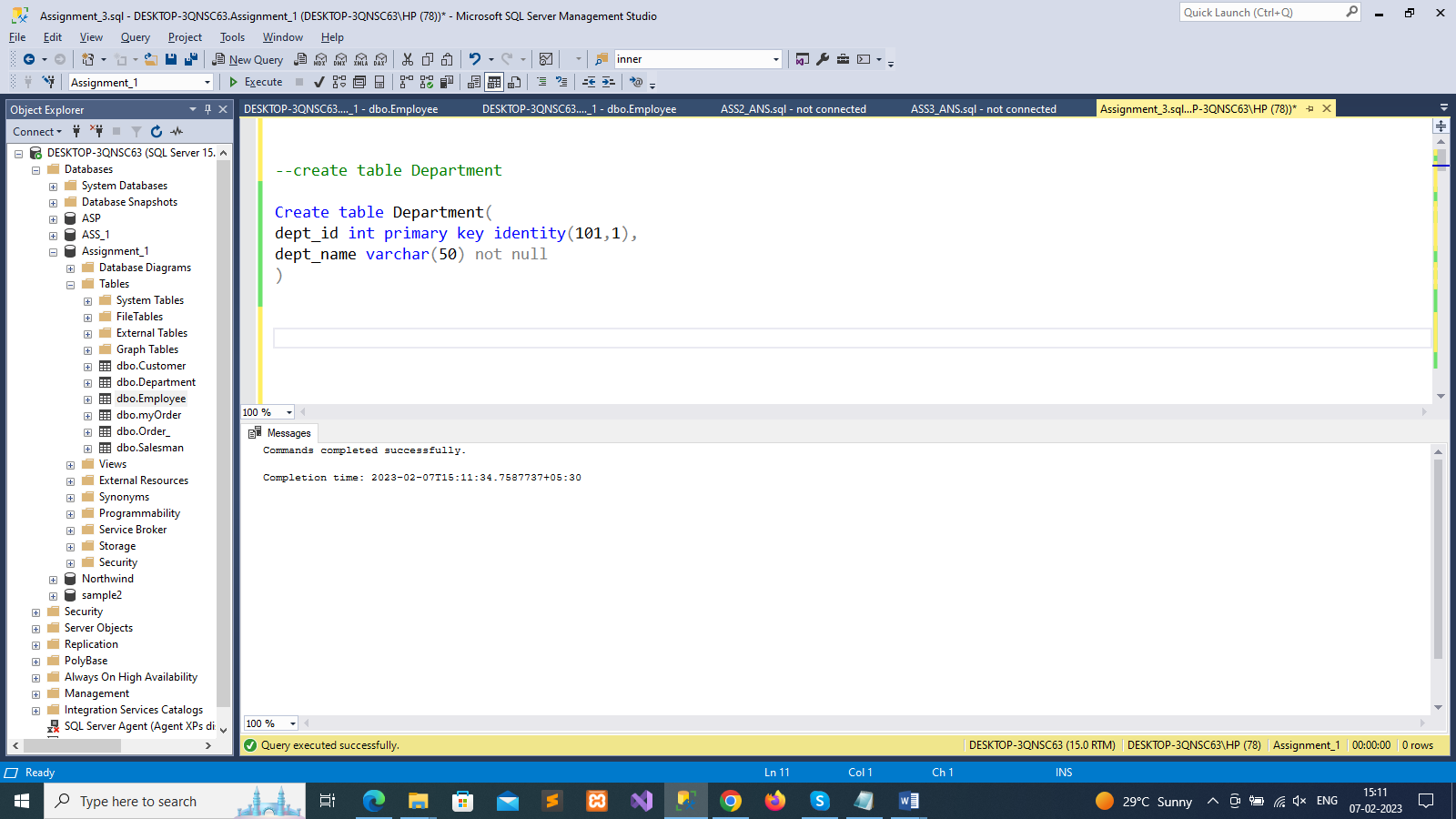
--create table Department

Create table Department(

dept\_id int primary key identity(101,1),

dept\_name varchar(50) not null

)



--create table Employee

Create table Employee(

emp\_id int primary key identity(1001,1),

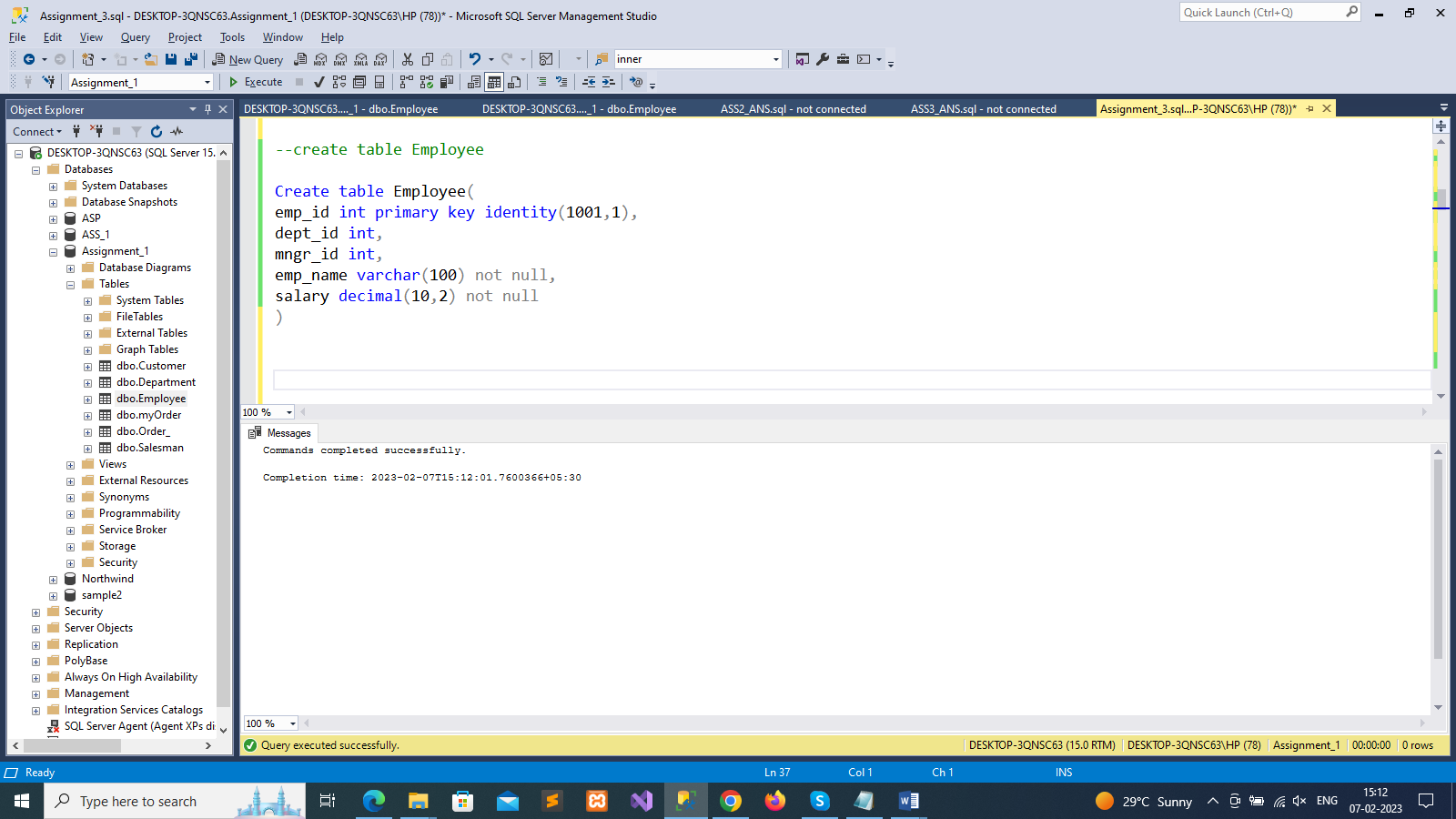
dept\_id int,

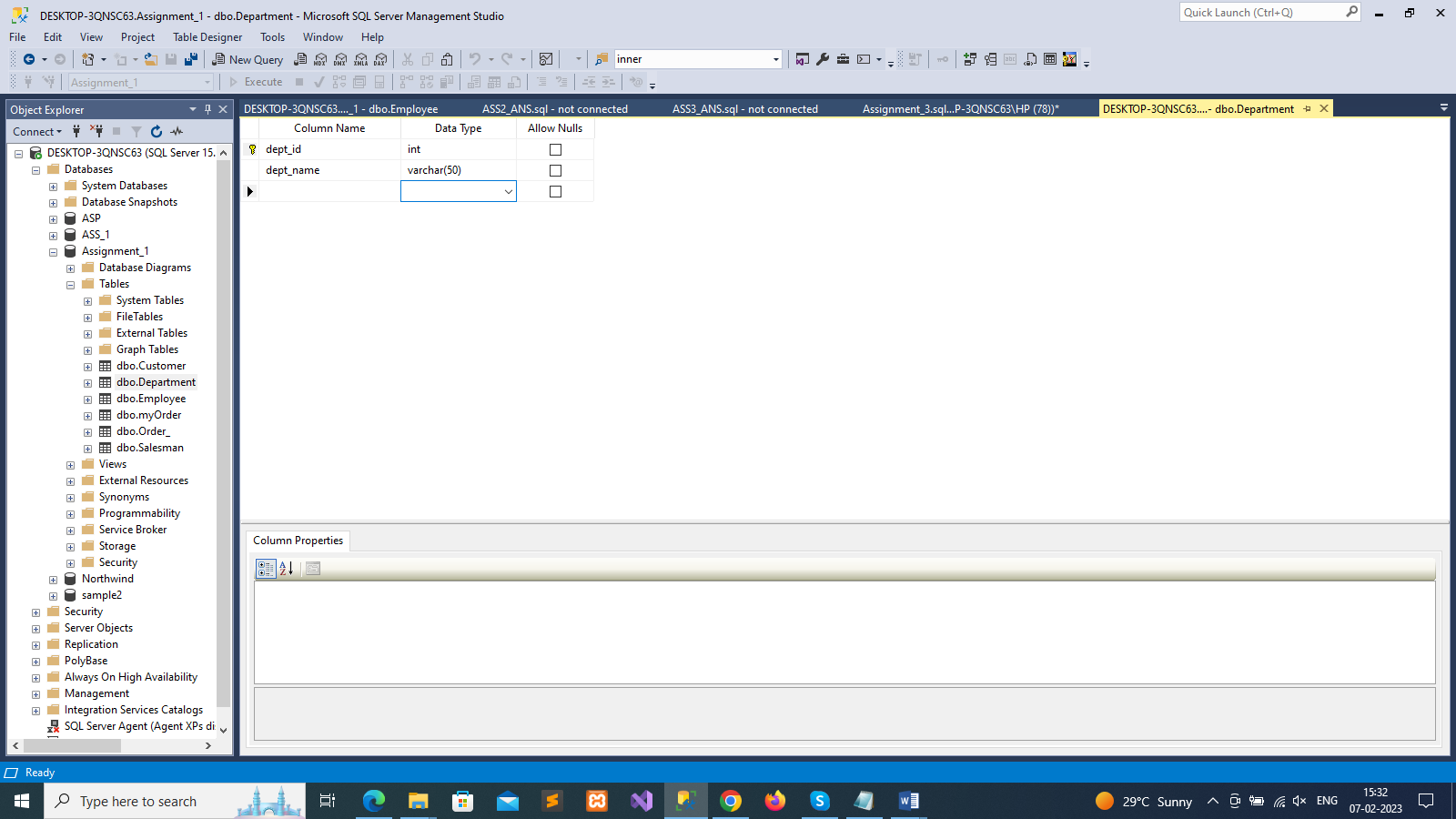
mngr\_id int,

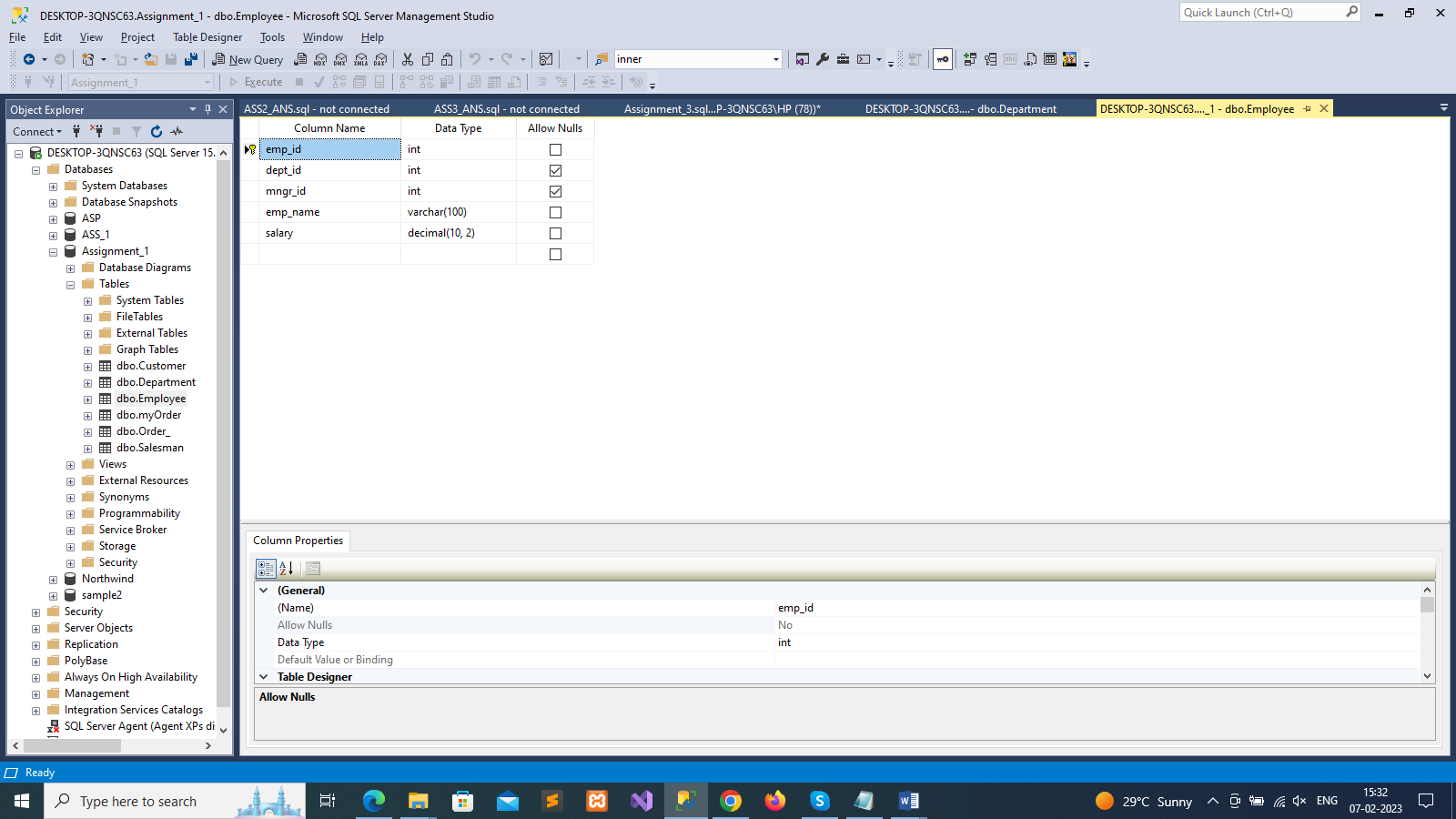
emp\_name varchar(100) not null,

salary decimal(10,2) not null

)

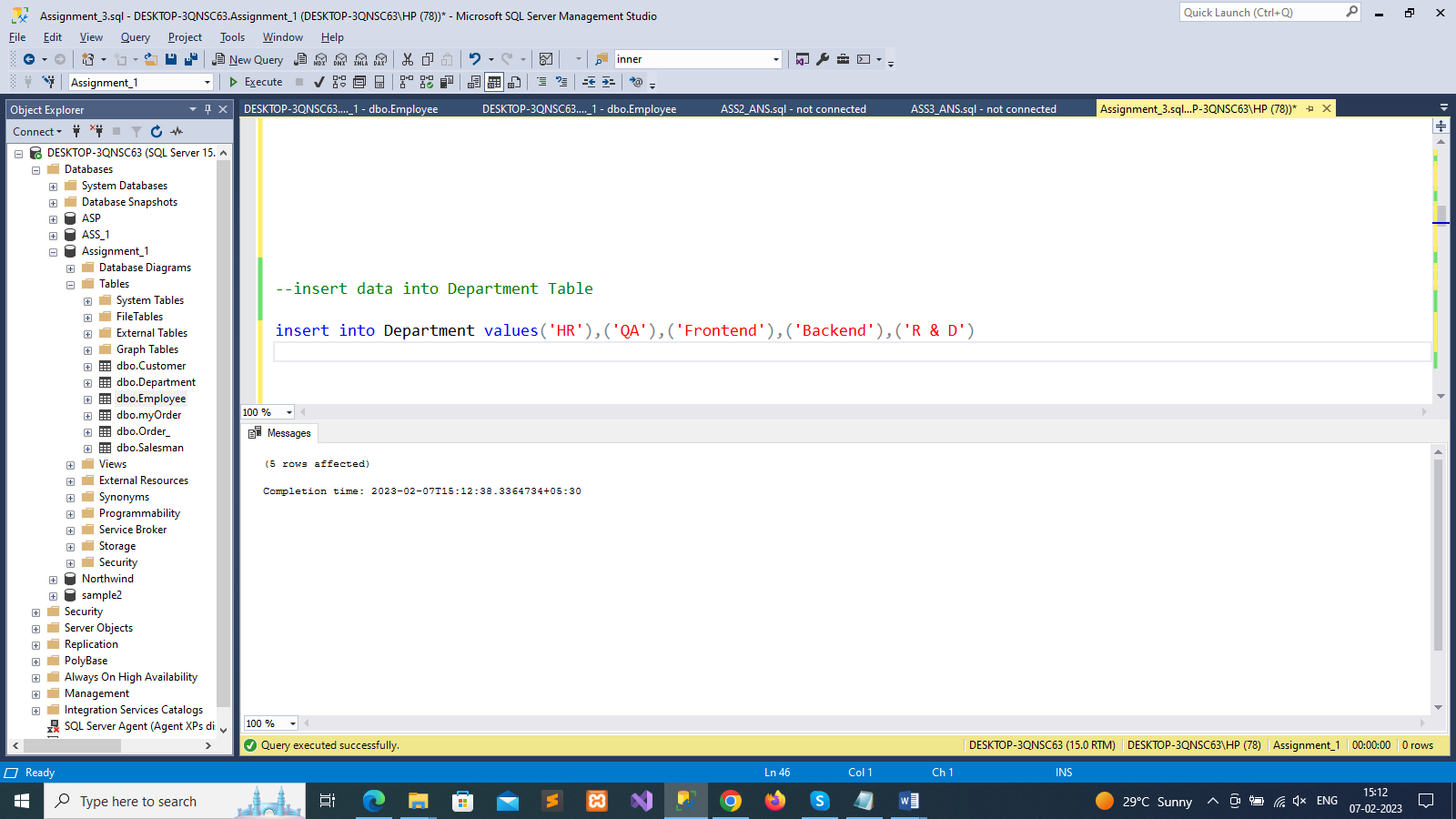


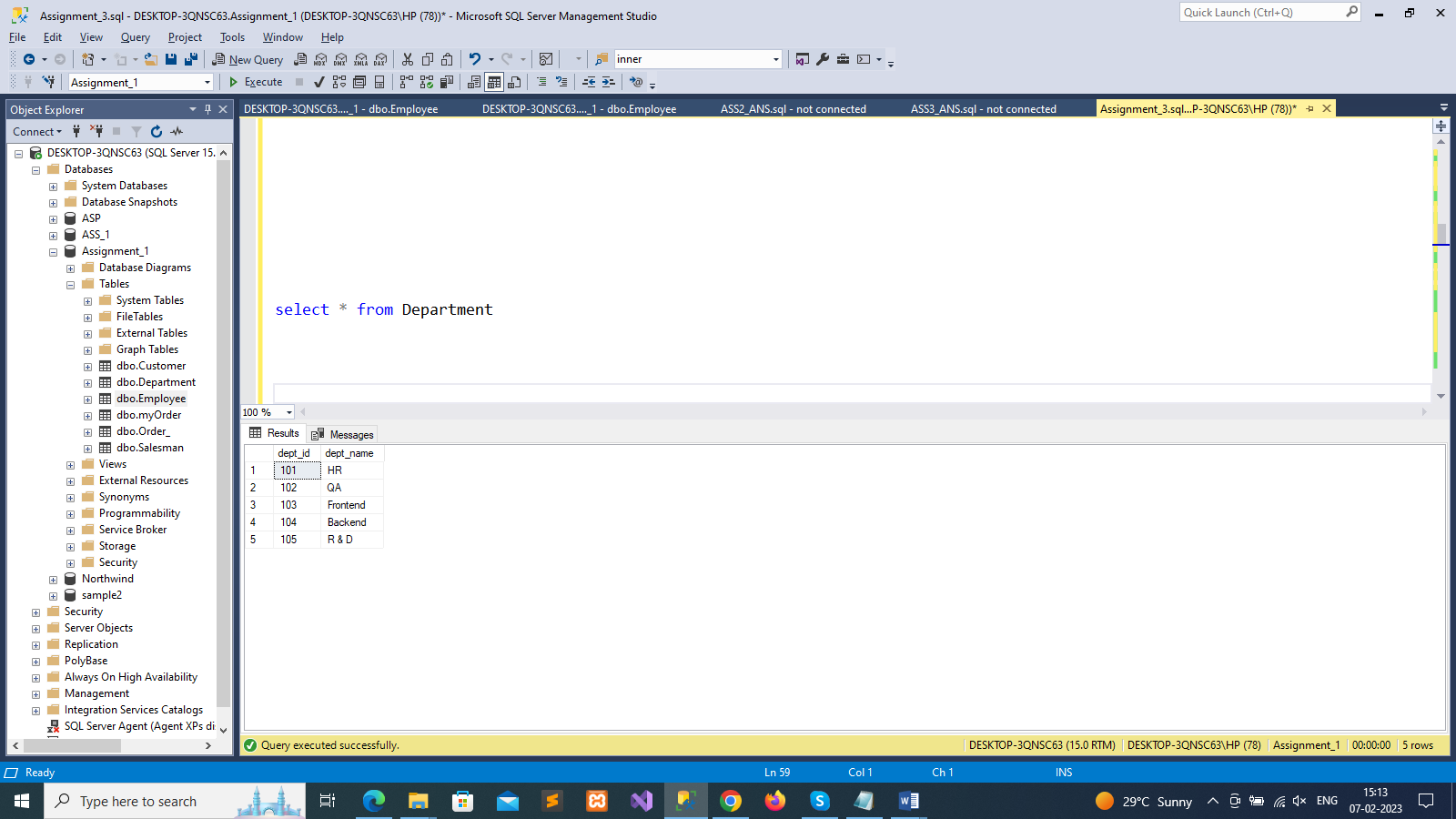




--insert data into Department Table

insert into Department values('HR'),('QA'),('Frontend'),('Backend'),('R & D')





--insert data into employee Table

insert into Employee values(101,10001,'Henil Shah',30000),

(104,10004,'Jaimi Shah',50000),

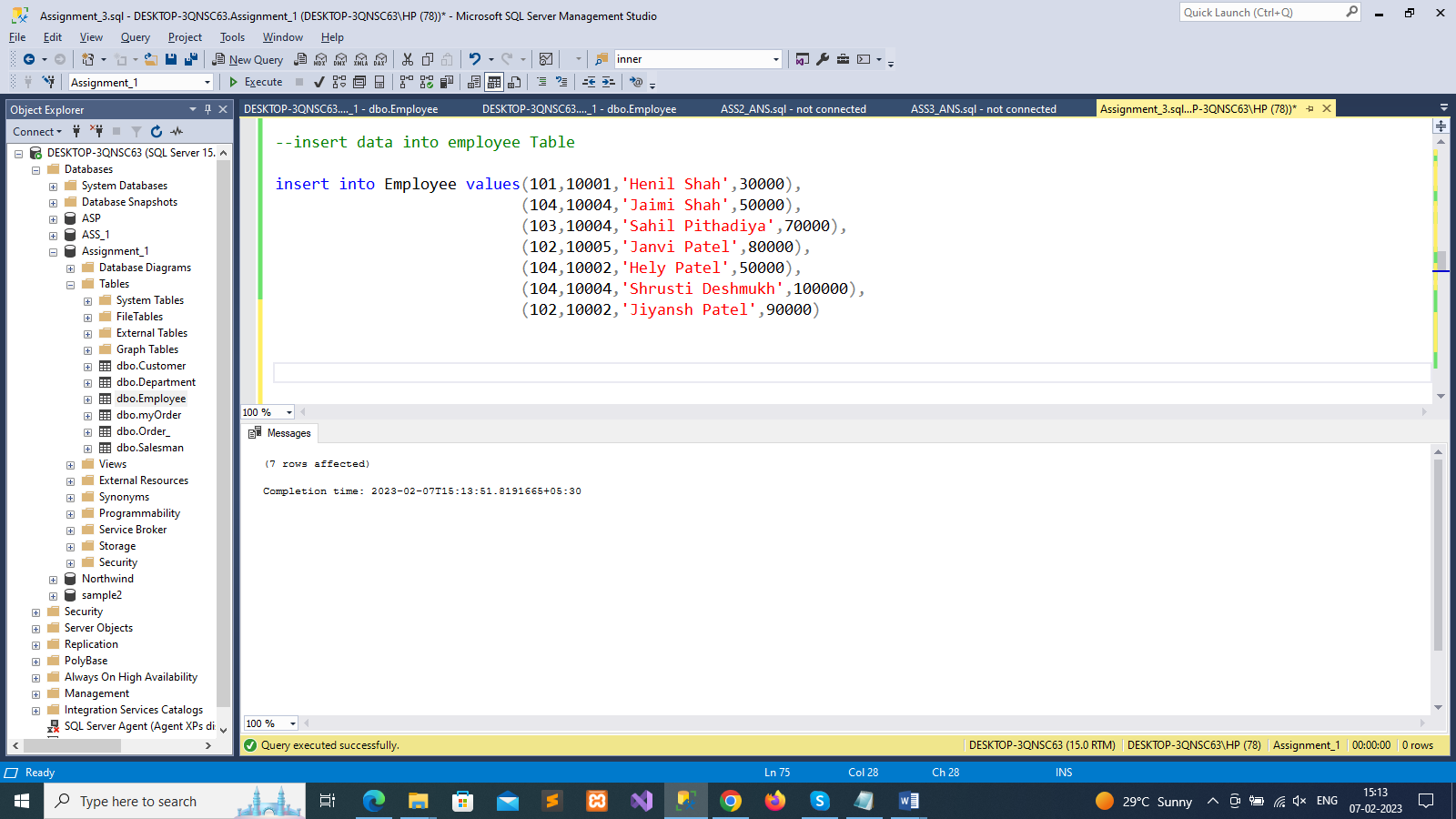
(103,10004,'Sahil Pithadiya',70000),

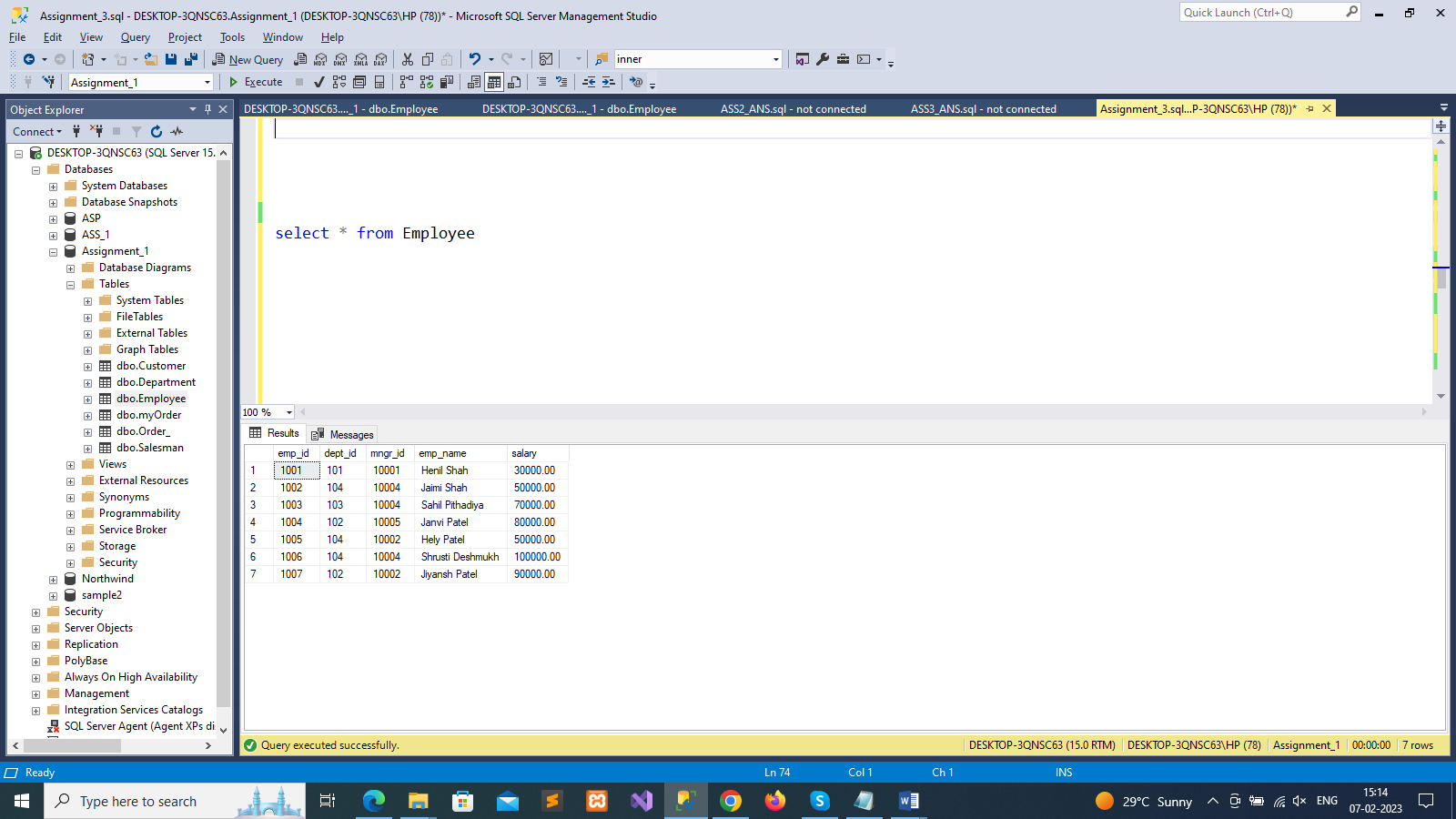
(102,10005,'Janvi Patel',80000),

(104,10002,'Hely Patel',50000),

(104,10004,'Shrusti Deshmukh',100000),

(102,10002,'Jiyansh Patel',90000)





--1. write a SQL query to find Employees who have the biggest salary in their Department

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

from Department d

join Employee e on e.dept\_id=d.dept\_id

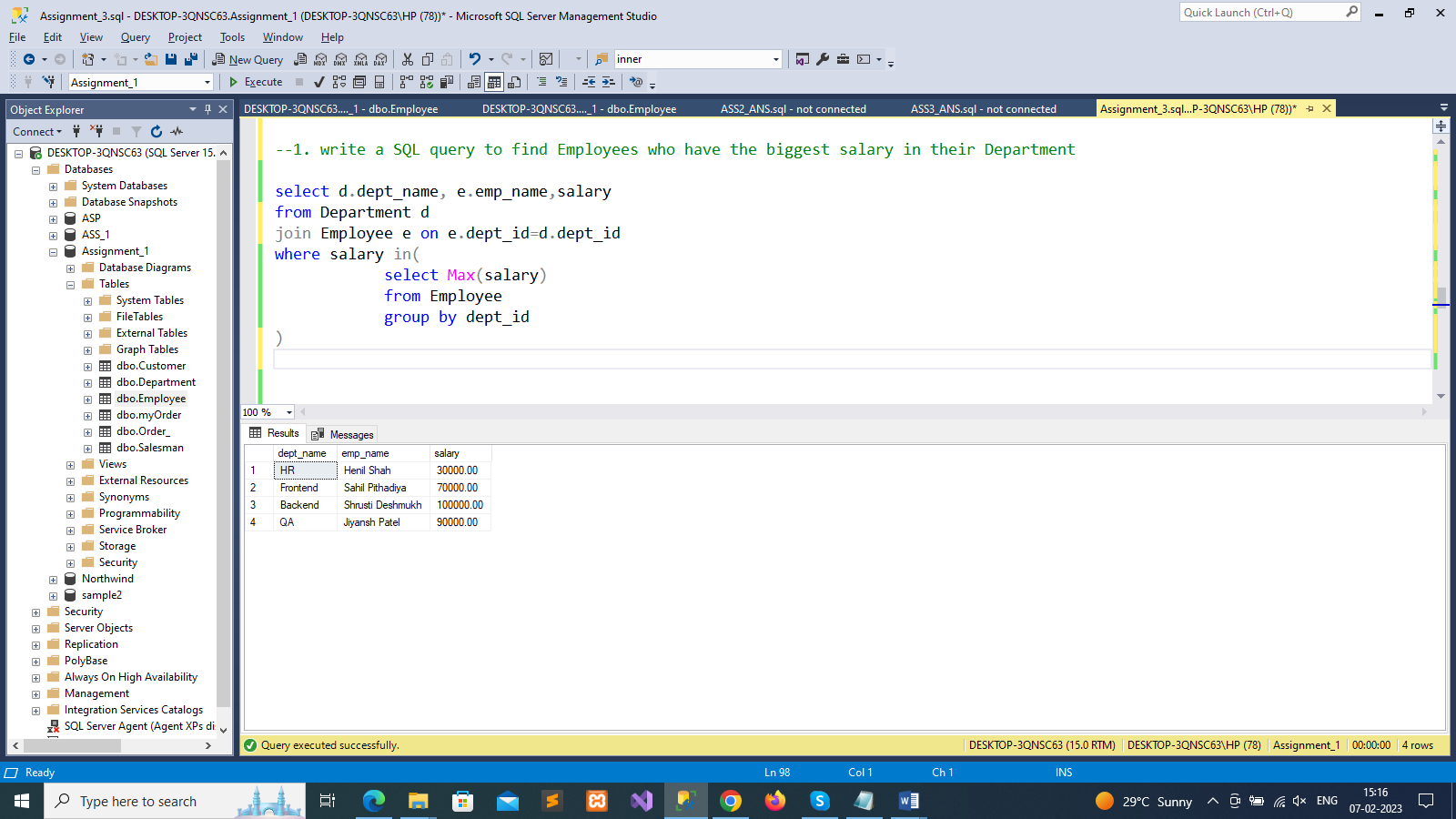
where salary in(

select Max(salary)

from Employee

group by dept\_id

)



--2. write a SQL query to find Departments that have less than 3 people in it

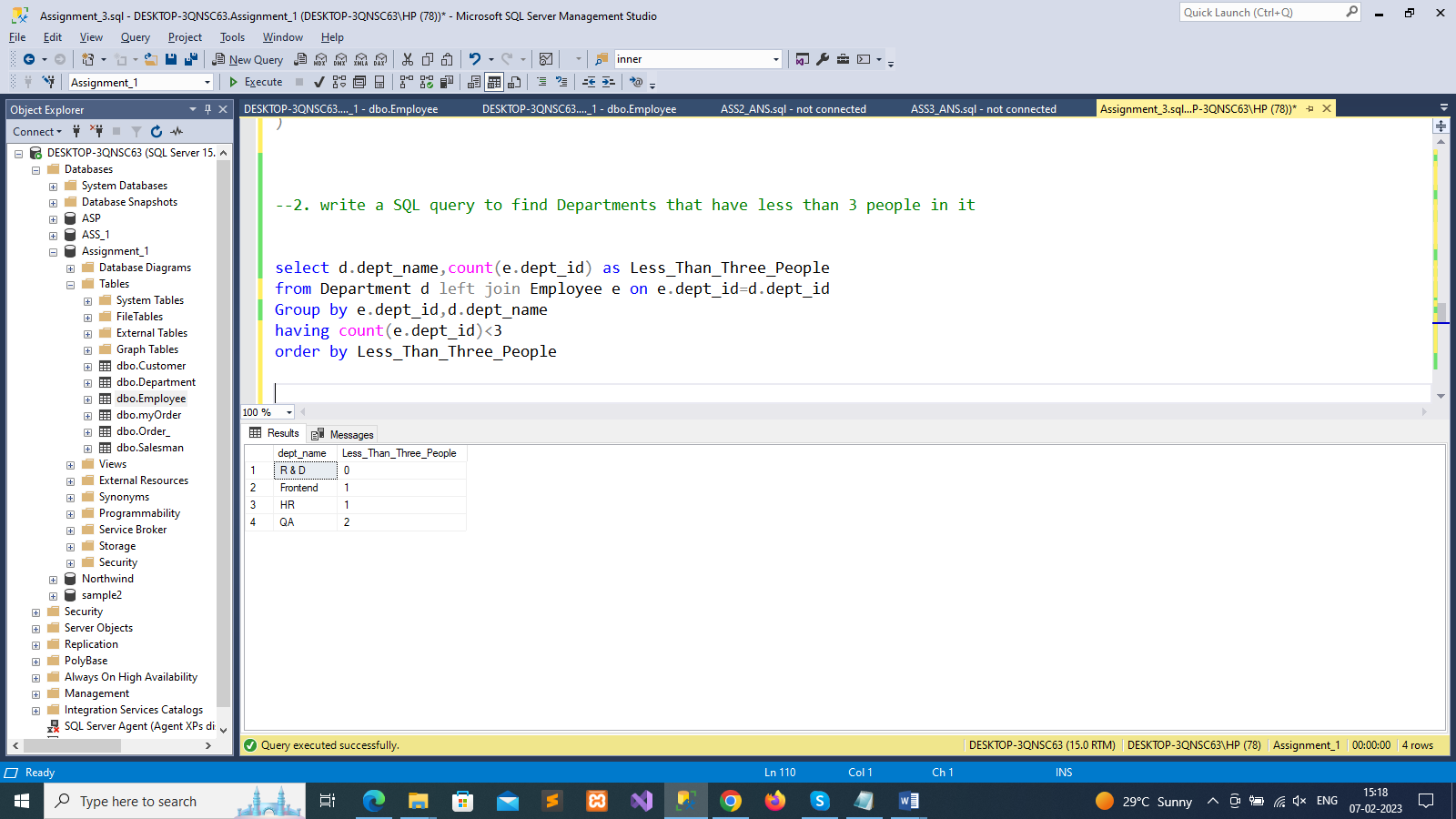
select d.dept\_name,count(e.dept\_id) as Less\_Than\_Three\_People

from Department d left join Employee e on e.dept\_id=d.dept\_id

Group by e.dept\_id,d.dept\_name

having count(e.dept\_id)<3

order by Less\_Than\_Three\_People



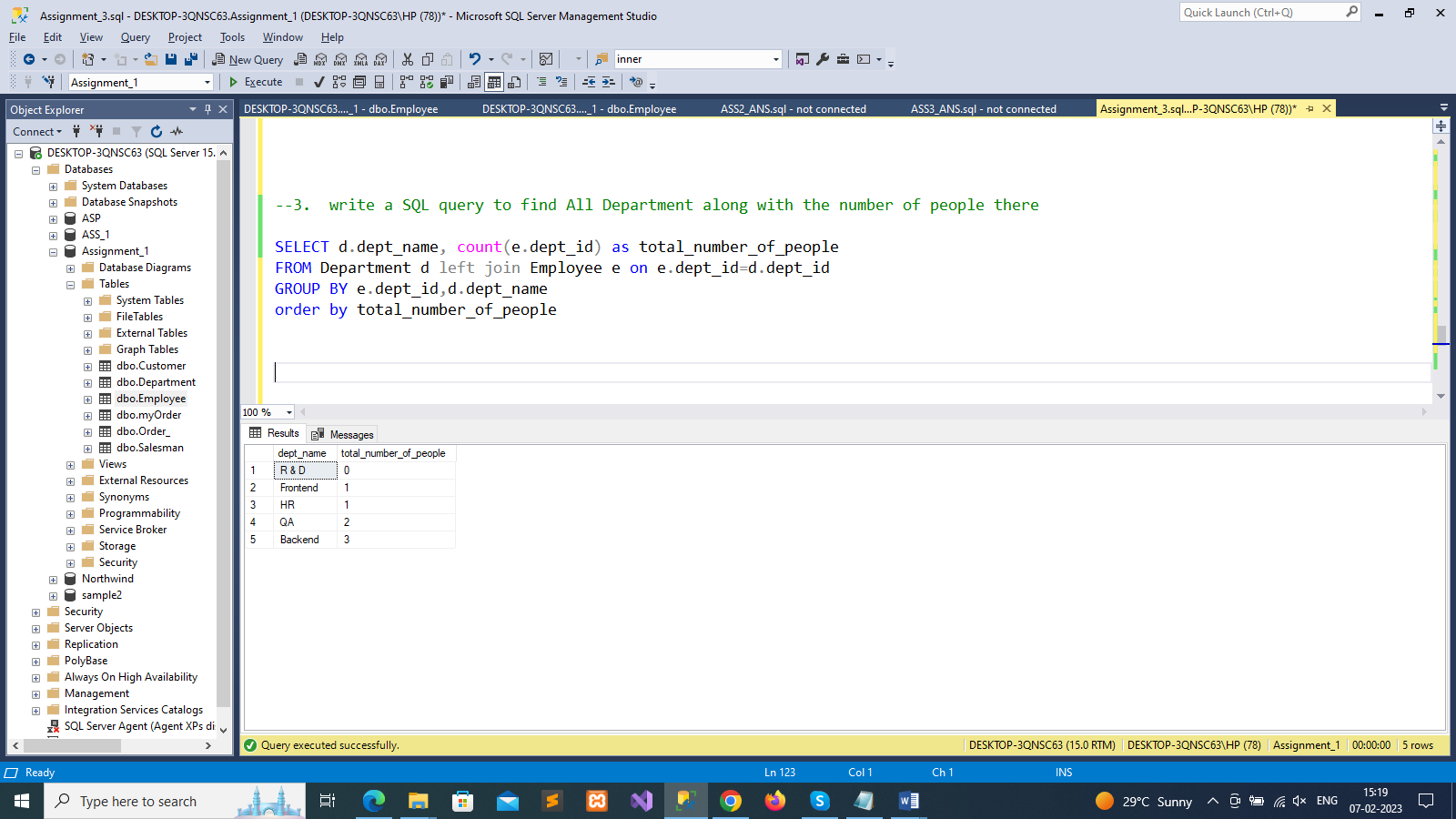
--3. write a SQL query to find All Department along with the number of people there

SELECT d.dept\_name, count(e.dept\_id) as total\_number\_of\_people

FROM Department d left join Employee e on e.dept\_id=d.dept\_id

GROUP BY e.dept\_id,d.dept\_name

order by total\_number\_of\_people



--4. write a SQL query to find All Department along with the total salary there

SELECT d.dept\_name, SUM(e.salary) as Total\_Salary

FROM Department d left join Employee e on e.dept\_id=d.dept\_id

GROUP BY d.dept\_name

order by Total\_Salary

