به نام خدا

گزارش شماره ۱

آزمایشگاه پایگاه داده ها

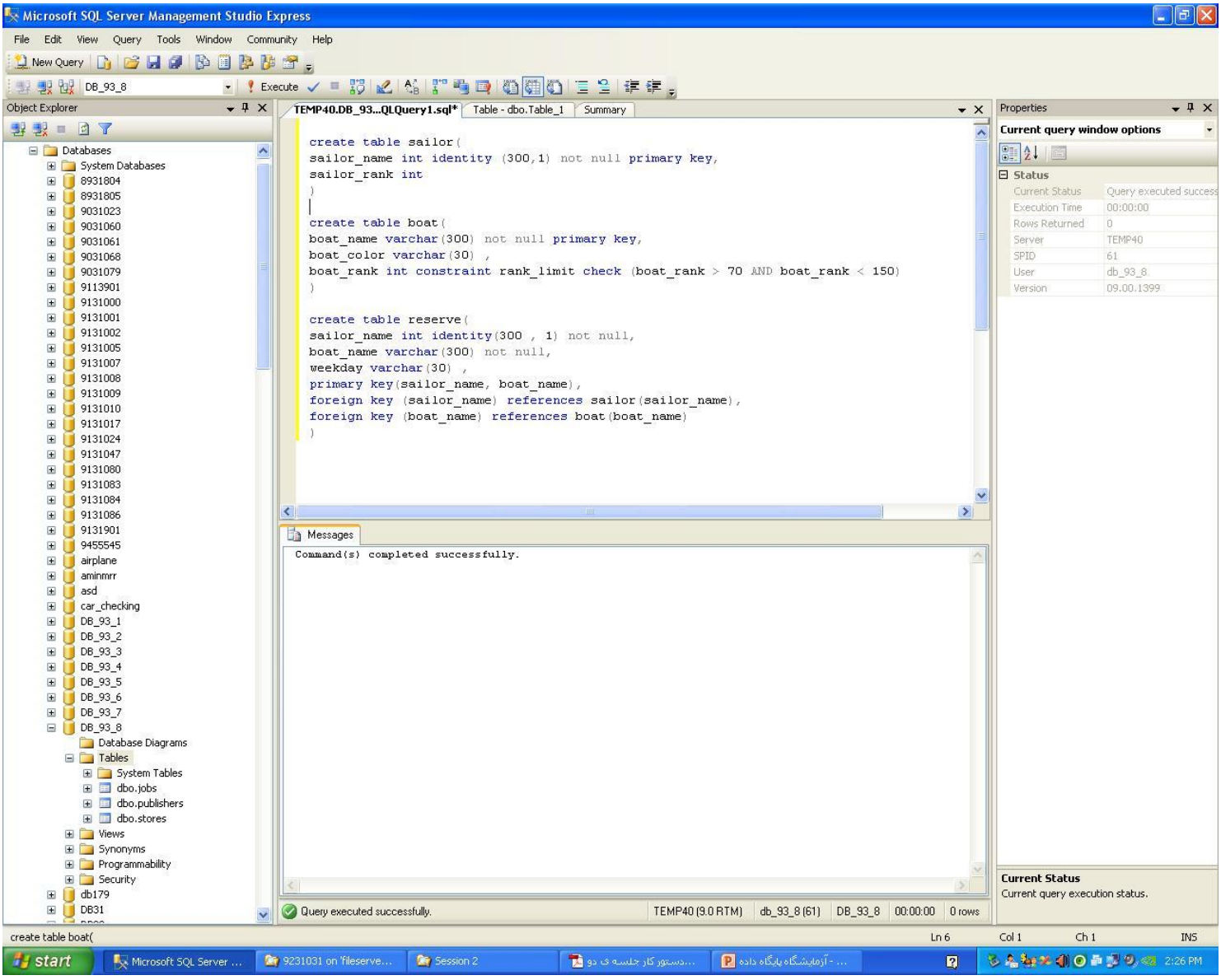
سجاد اعظمی

۹۲۳۱۰۳۱

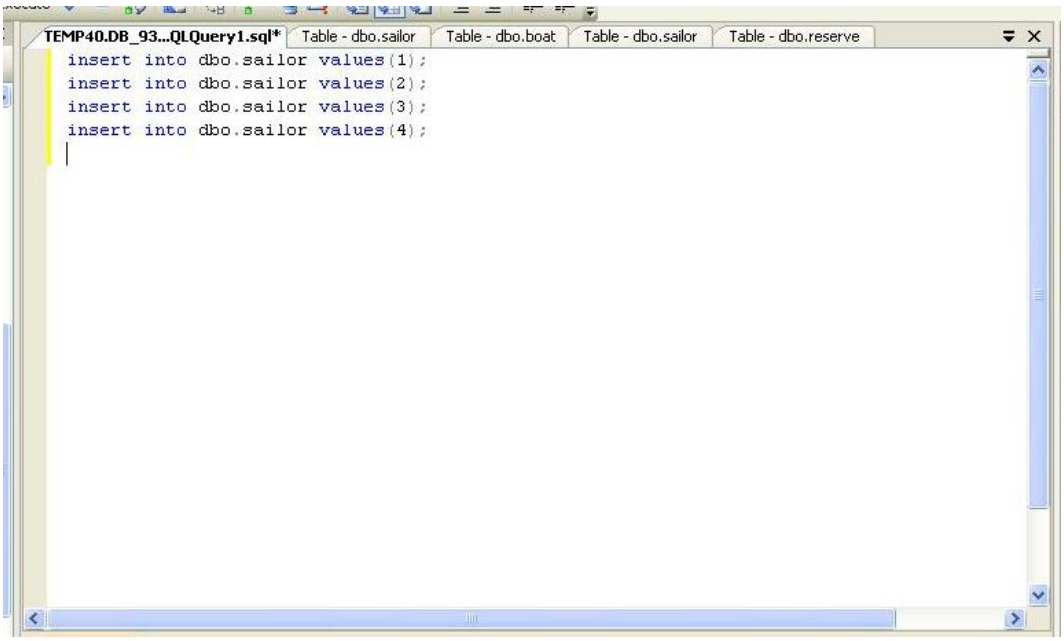
سامان فکری

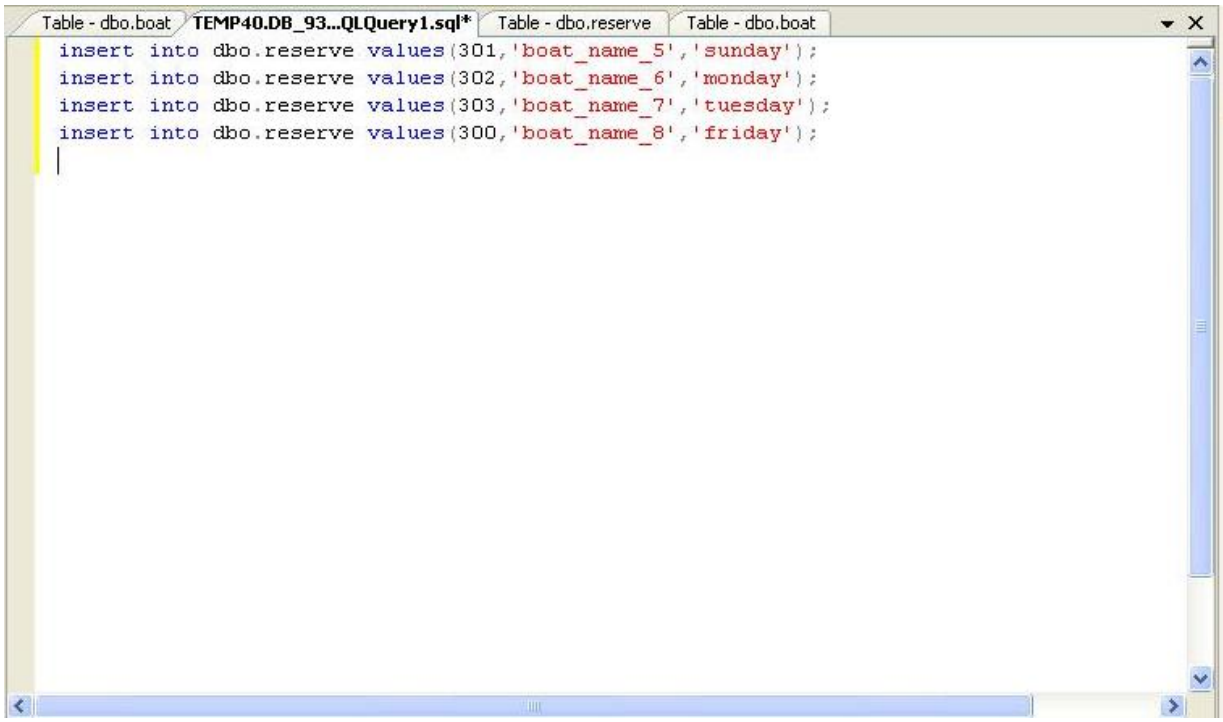
۹۲۳۱۰۷۵

ابتدا جداول مورد نظر در سوال را درست کردیم. این بار این کار را با Query های SQL انجام دادیم



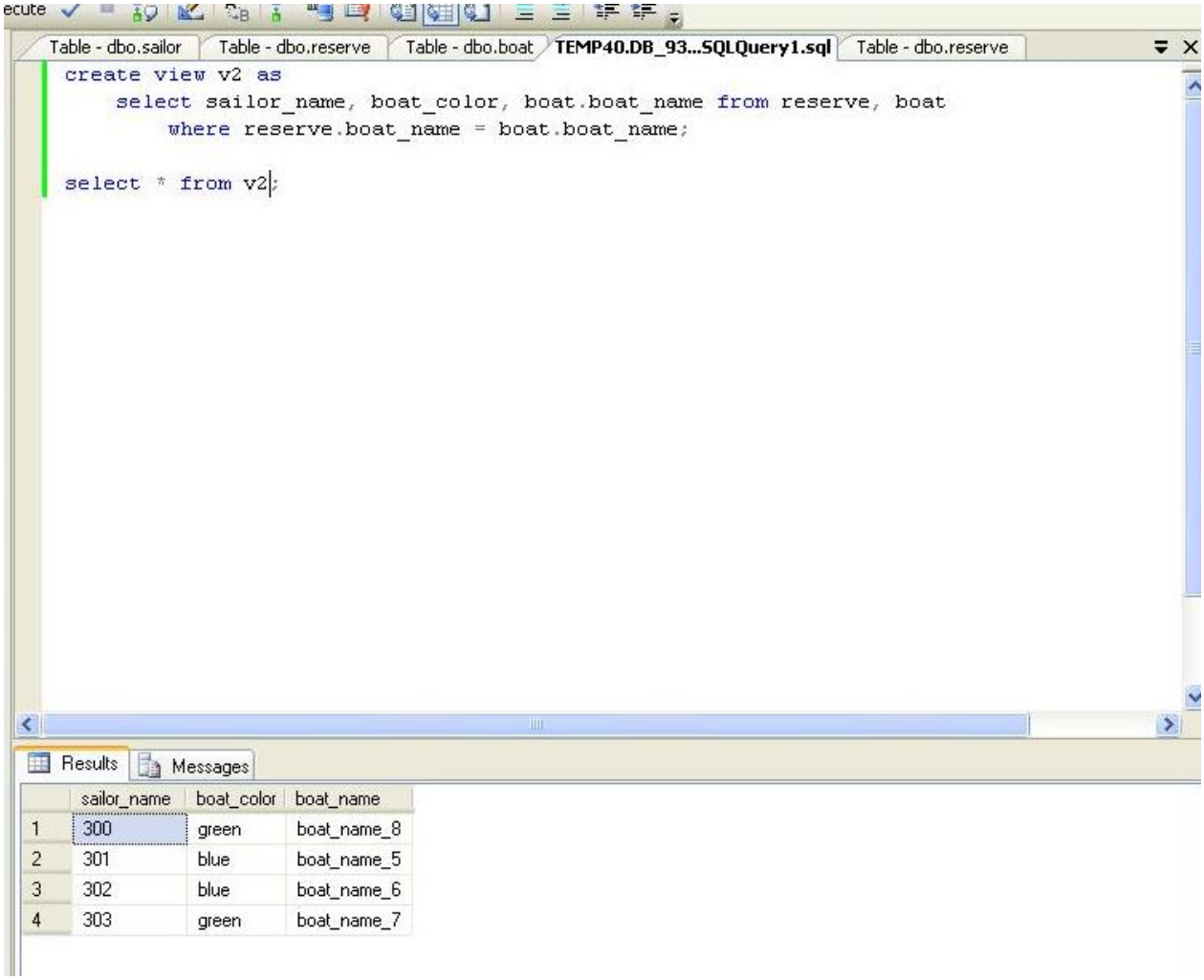
سپس این جداول را با Query مقدار دهی کردیم. از دستور insert برای اینکار استفاده کردیم





سپس به ترتیب Query های مربوط به درخواست سوال را نوشتیم.


Table - dbo.sailor
Table - dbo.reserve
Table - dbo.boat
TEMP40.DB_93...QLQuery1.sql*
Table - dbo.reserve
select sailor_name from dbo.reserve where weekday like 'sunday' --shanbe = sunday!
Results
Messages
sailor_name
1
301


ecute
Table - dbo.sailor
Table - dbo.reserve
Table - dbo.boat
TEMP40.DB_93...SQLQuery1.sql
Table - dbo.reserve
create view v2 as
select sailor_name, boat_color, boat.boat_name from reserve, boat
where reserve.boat_name = boat.boat_name;
select * from v2;
Results
Messages
sailor_name boat_color boat_name
1 300 green boat_name_8
2 301 blue boat_name_5
3 302 blue boat_name_6
4 303 green boat_name_7

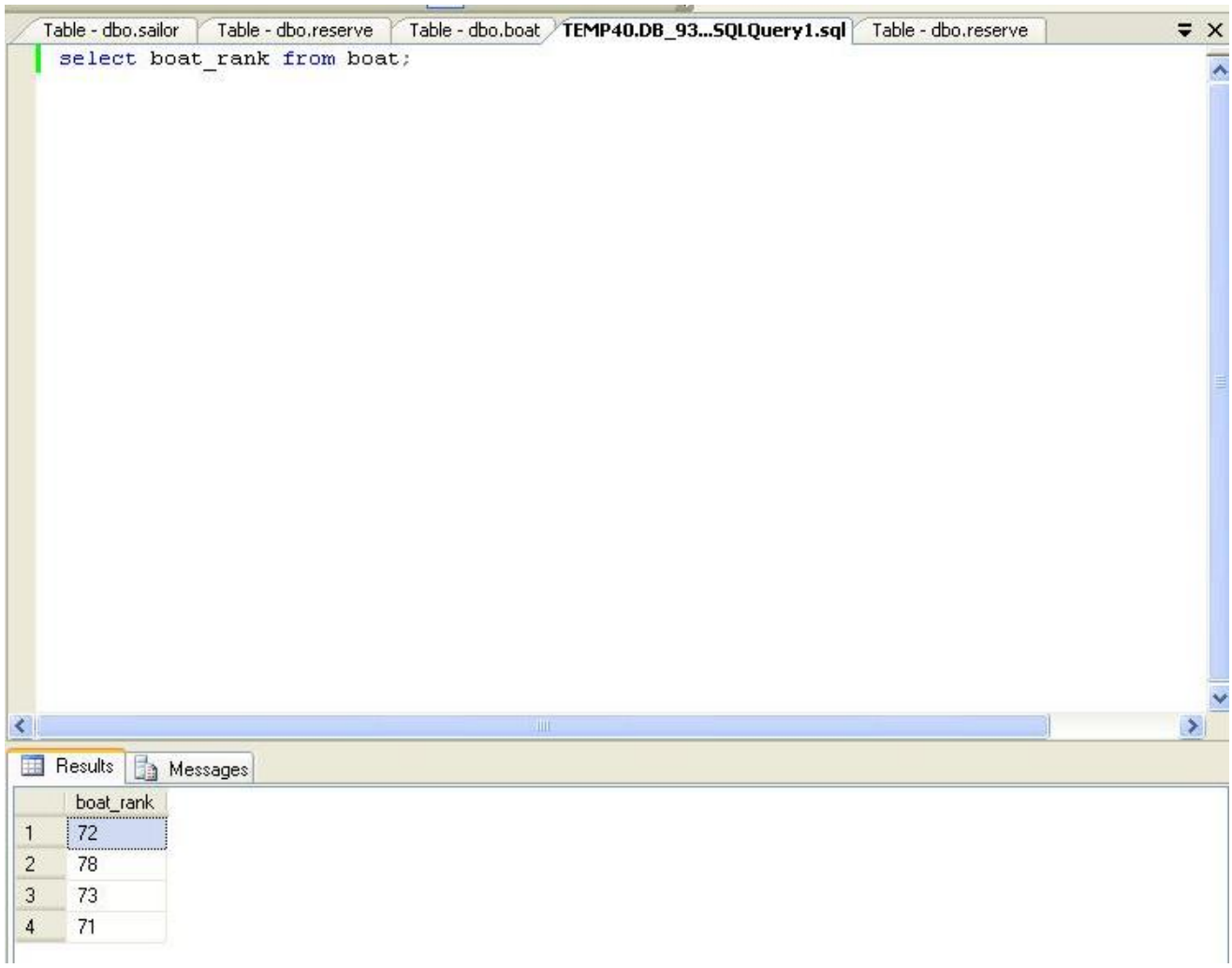


Table - dbo.sailor
Table - dbo.reserve
Table - dbo.boat
TEMP40.DB_93...SQLQuery1.sql
Table - dbo.reserve
select boat_rank from boat;
Results
Messages
boat_rank
1 72
2 78
3 73
4 71

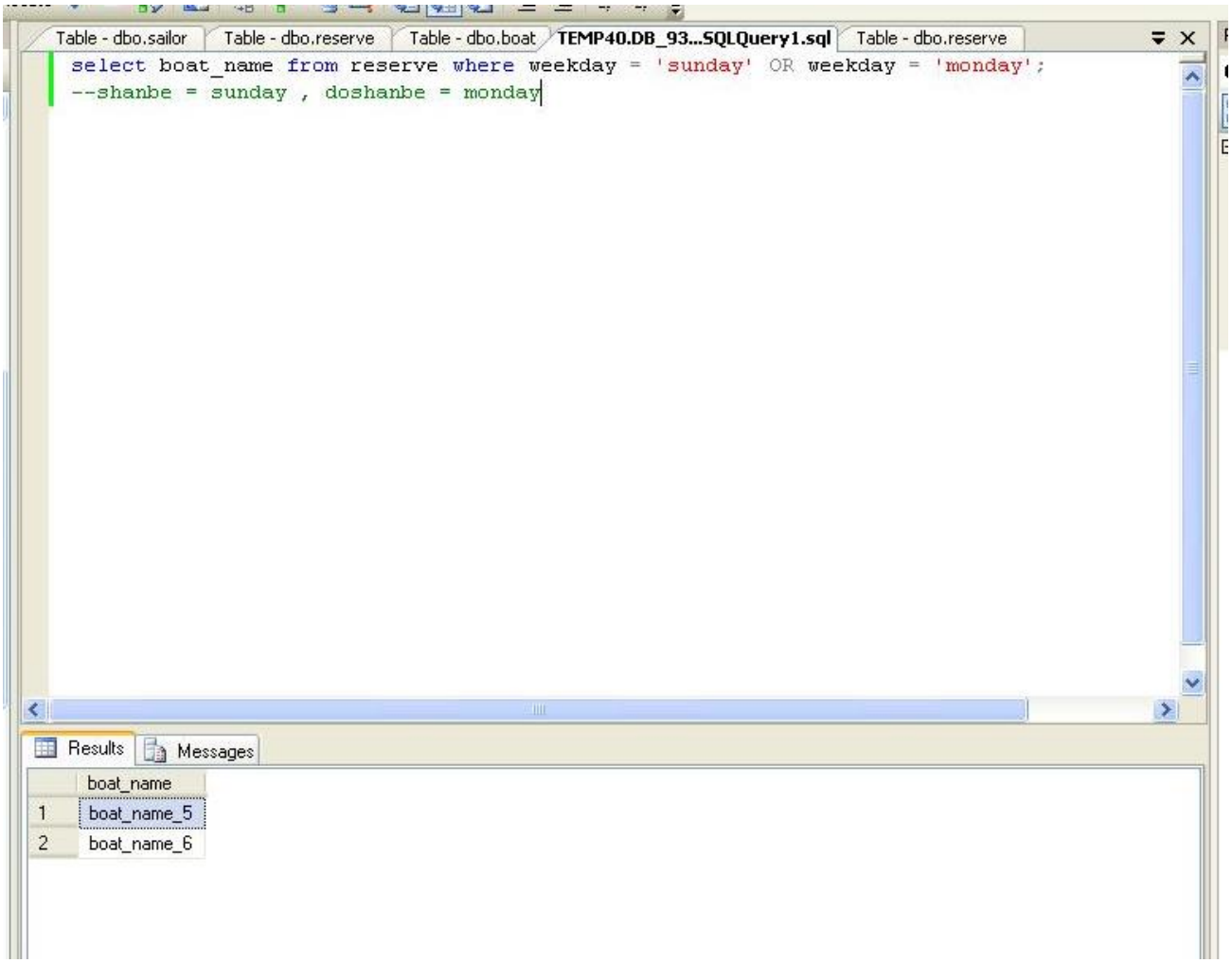


Table - dbo.sailor
Table - dbo.reserve
Table - dbo.boat
TEMP40.DB_93...SQLQuery1.sql
Table - dbo.reserve
select boat_name from reserve where weekday = 'sunday' OR weekday = 'monday';
--shanbe = sunday , doshanbe = monday
Results
Messages
boat_name
1
boat_name_5
2
boat_name_6

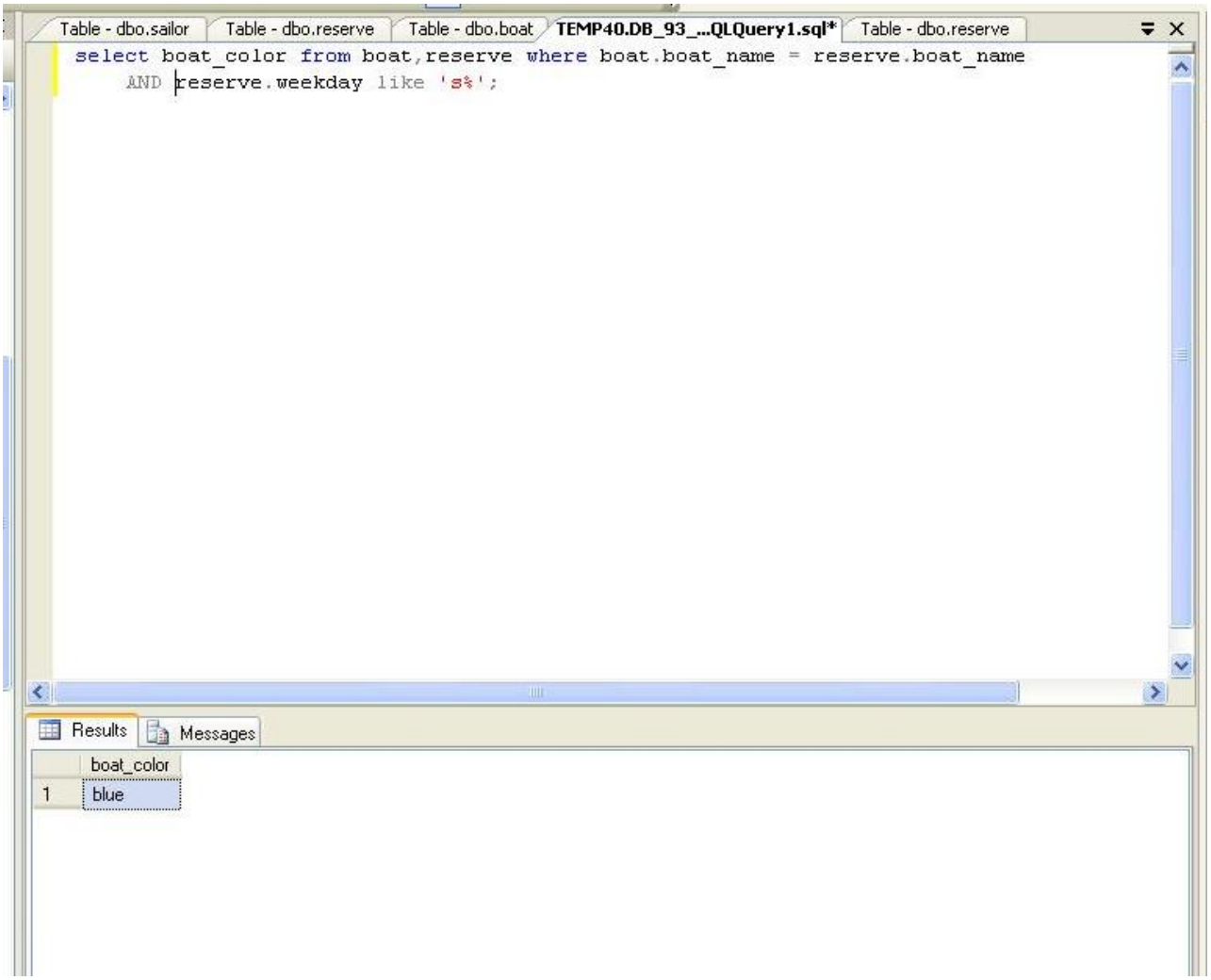
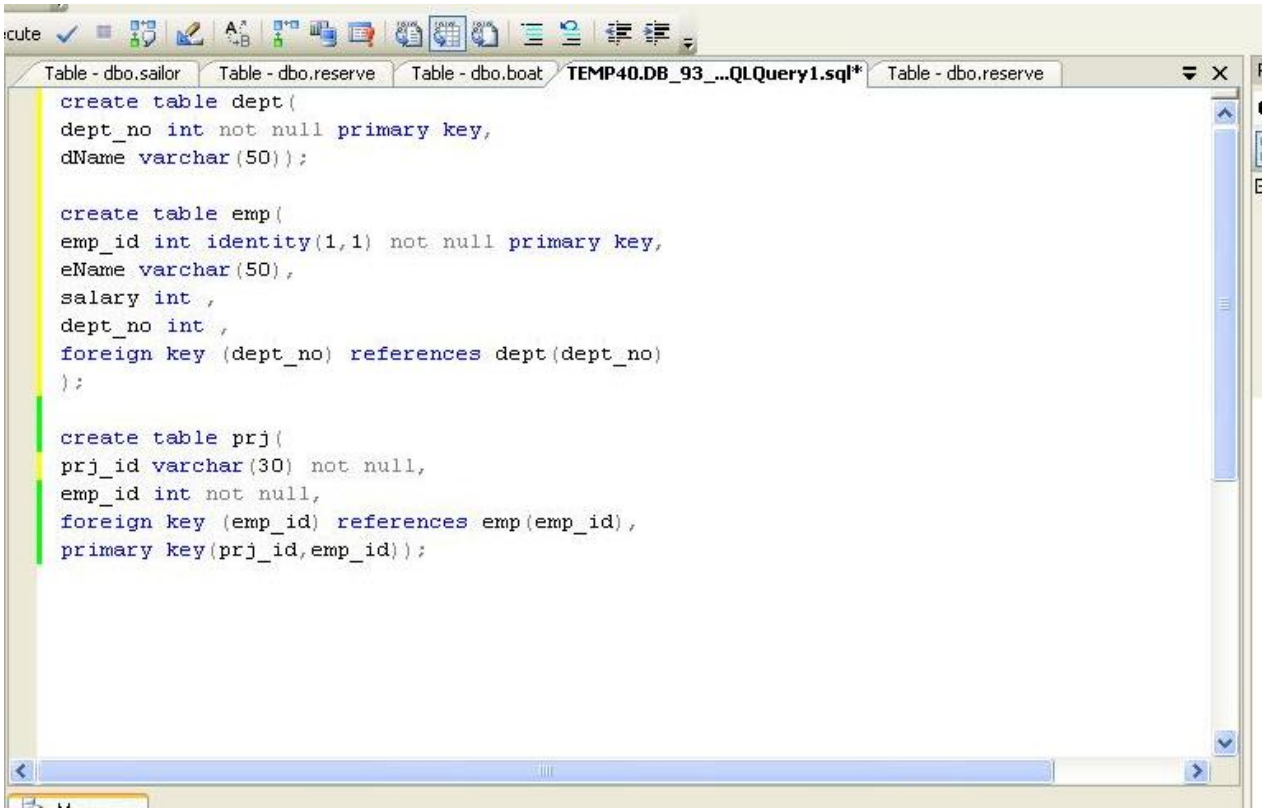


Table - dbo.sailor
Table - dbo.reserve
Table - dbo.boat
TEMP40.DB_93_...QLQuery1.sql*
Table - dbo.reserve
select boat_color from boat,reserve where boat.boat_name = reserve.boat_name
AND reserve.weekday like 's%';
Results
Messages
boat_color
1
blue

در بخش دوم، از جدول دیگری استفاده شده بود. بنابراین جدول جدید را ساختیم



مطابق سوال قبل، جداول را مقدار دهی کردیم

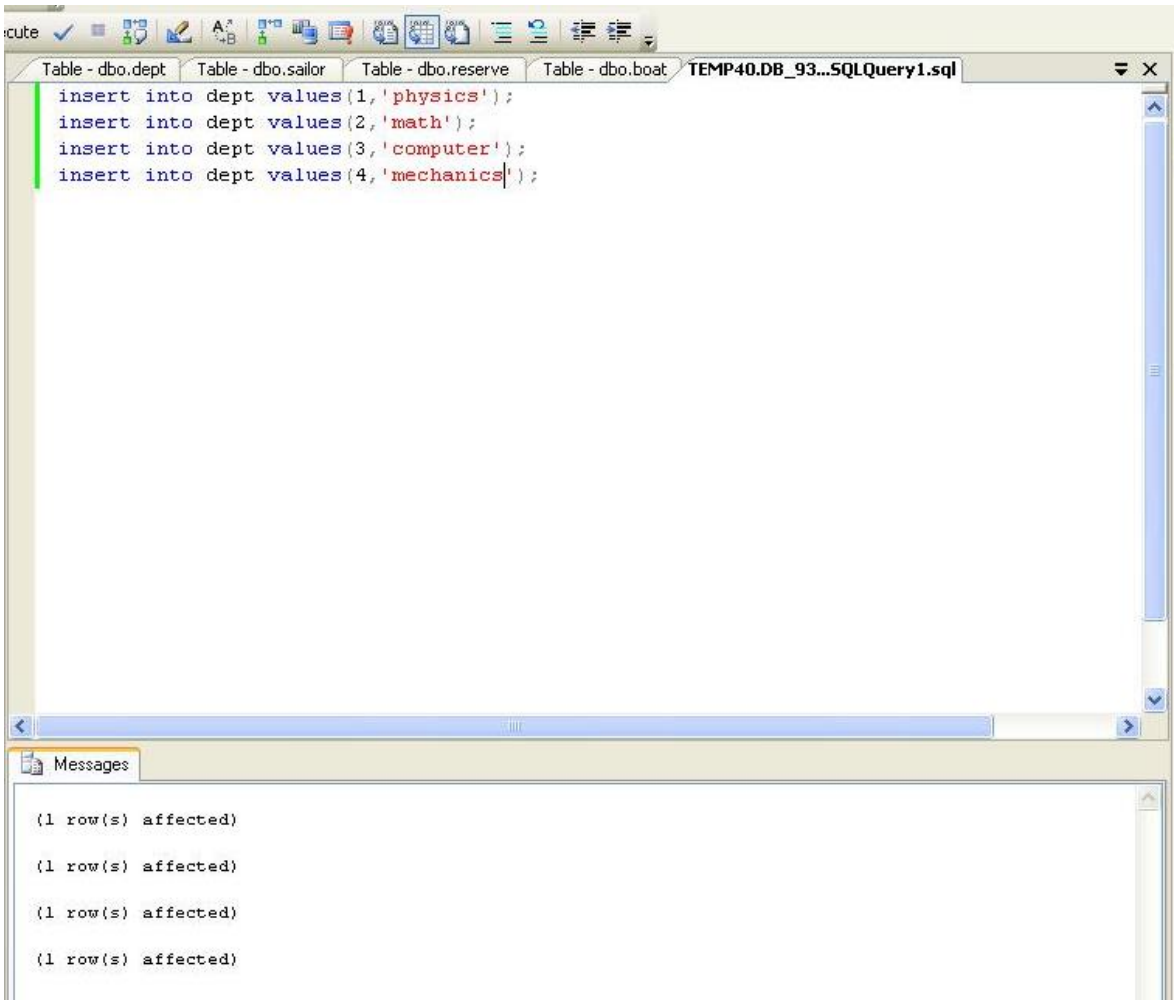


Table - dbo.dept
Table - dbo.sailor
Table - dbo.reserve
Table - dbo.boat
TEMP40.DB_93...SQLQuery1.sql
insert into dept values(1,'physics');
insert into dept values(2,'math');
insert into dept values(3,'computer');
insert into dept values(4,'mechanics');
Messages
(1 row(s) affected)
(1 row(s) affected)
(1 row(s) affected)
(1 row(s) affected)

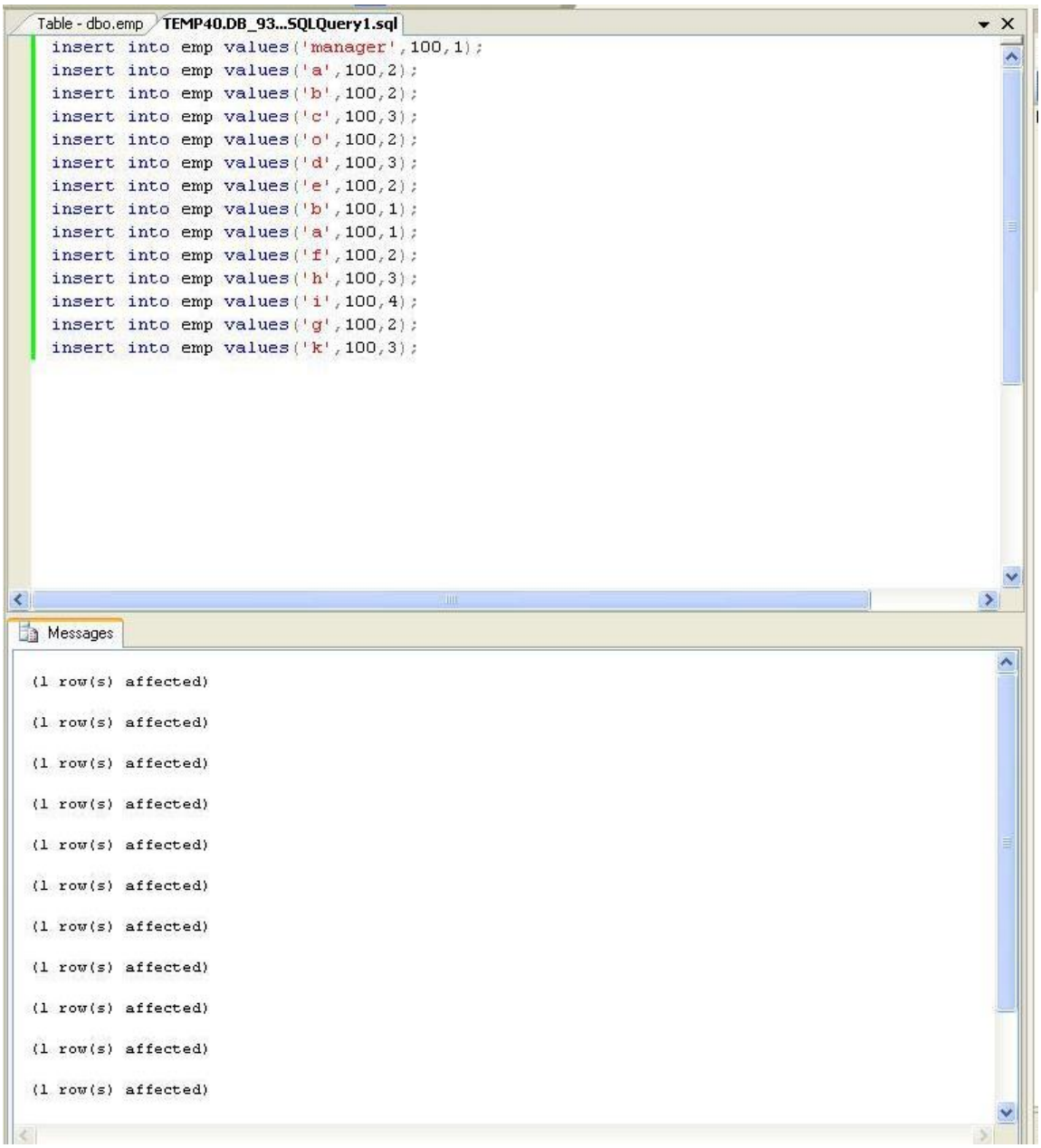
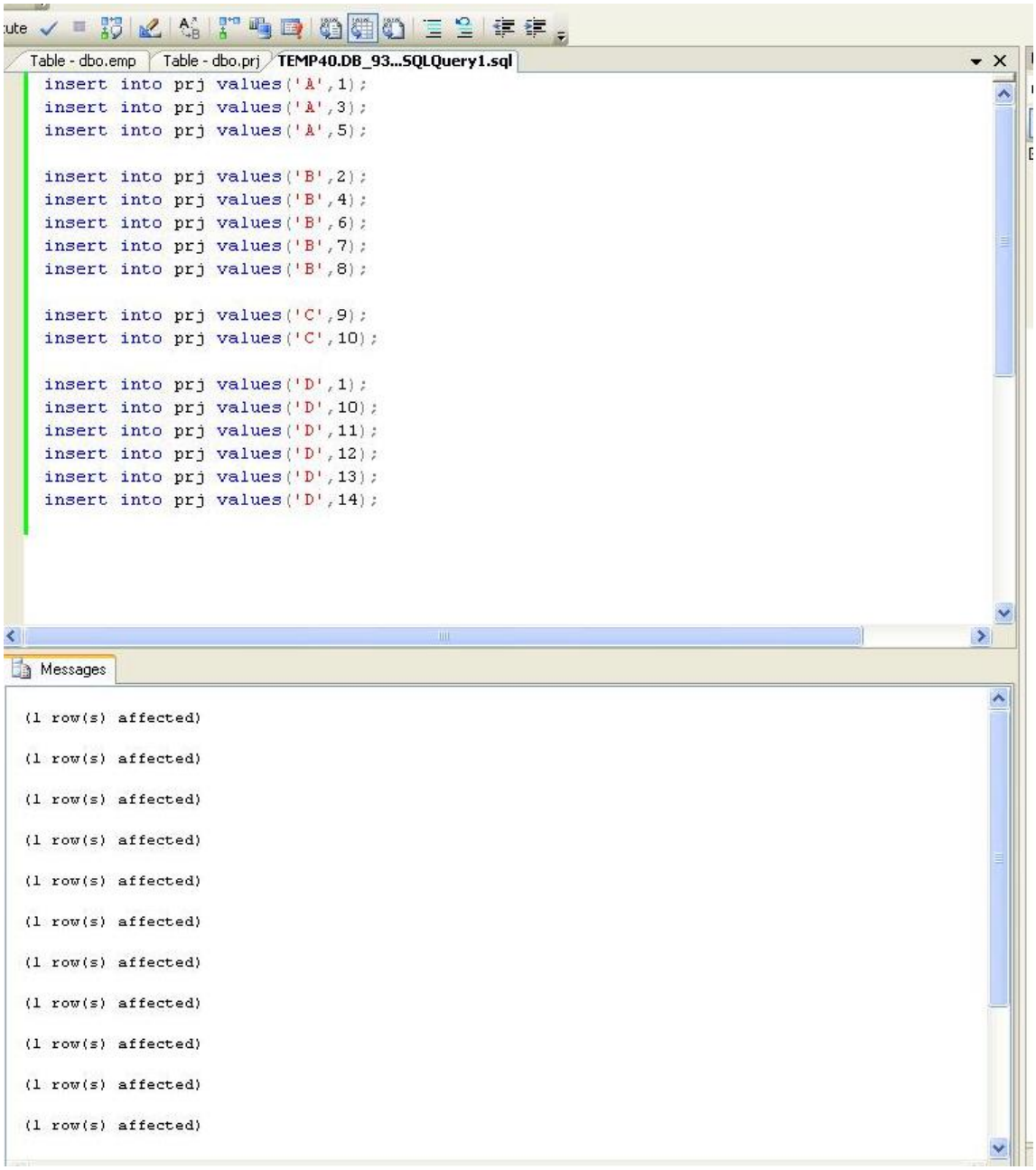


Table - dbo.emp
TEMP40.DB_93...SQLQuery1.sql
insert into emp values('manager',100,1);
insert into emp values('a',100,2);
insert into emp values('b',100,2);
insert into emp values('c',100,3);
insert into emp values('o',100,2);
insert into emp values('d',100,3);
insert into emp values('e',100,2);
insert into emp values('b',100,1);
insert into emp values('a',100,1);
insert into emp values('f',100,2);
insert into emp values('h',100,3);
insert into emp values('i',100,4);
insert into emp values('g',100,2);
insert into emp values('k',100,3);
Messages
(1 row(s) affected)
(1 row(s) affected)
(1 row(s) affected)
(1 row(s) affected)
(1 row(s) affected)
(1 row(s) affected)
(1 row(s) affected)
(1 row(s) affected)
(1 row(s) affected)
(1 row(s) affected)
(1 row(s) affected)



سپس درخواست های Query سوال را انجام دادیم

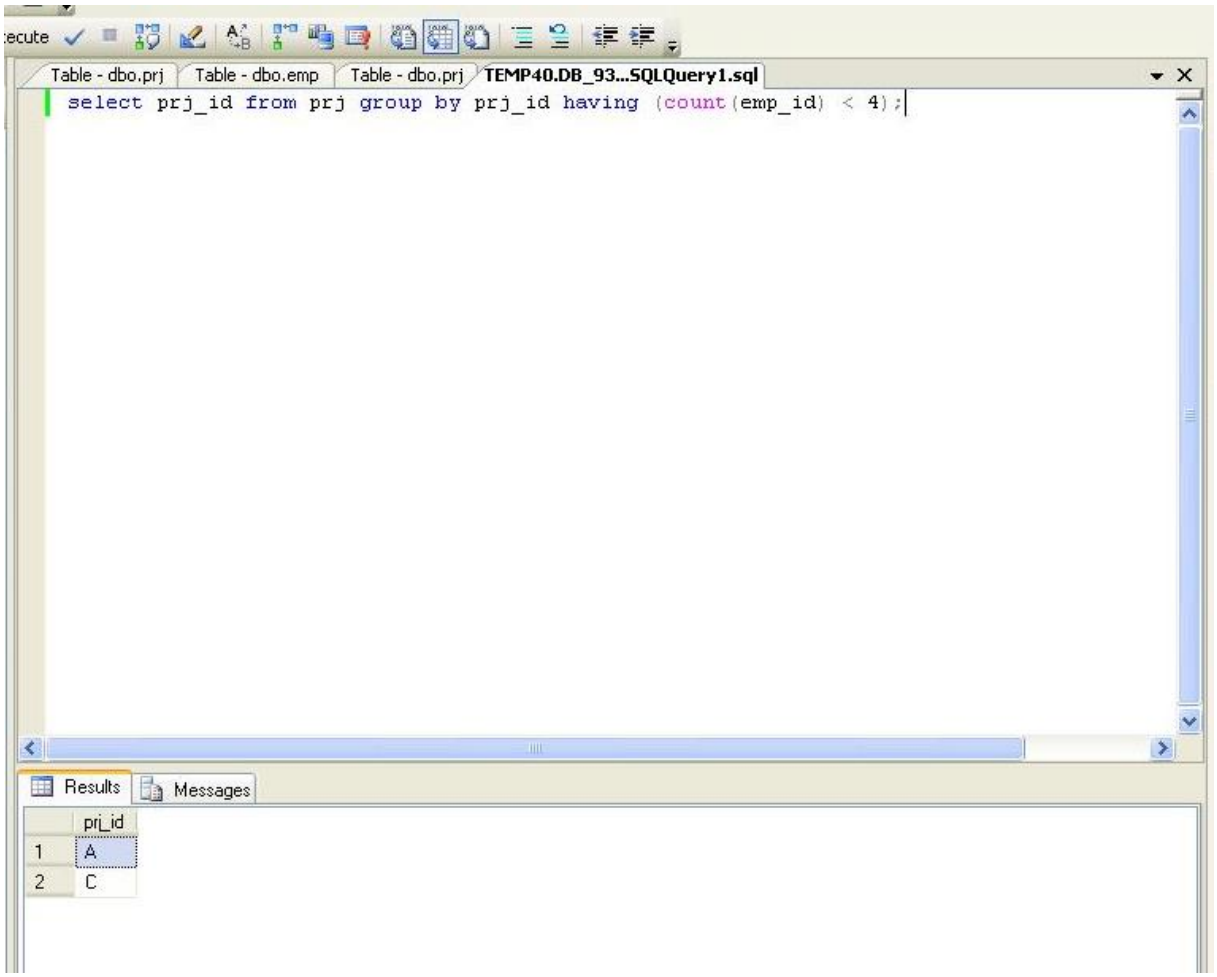
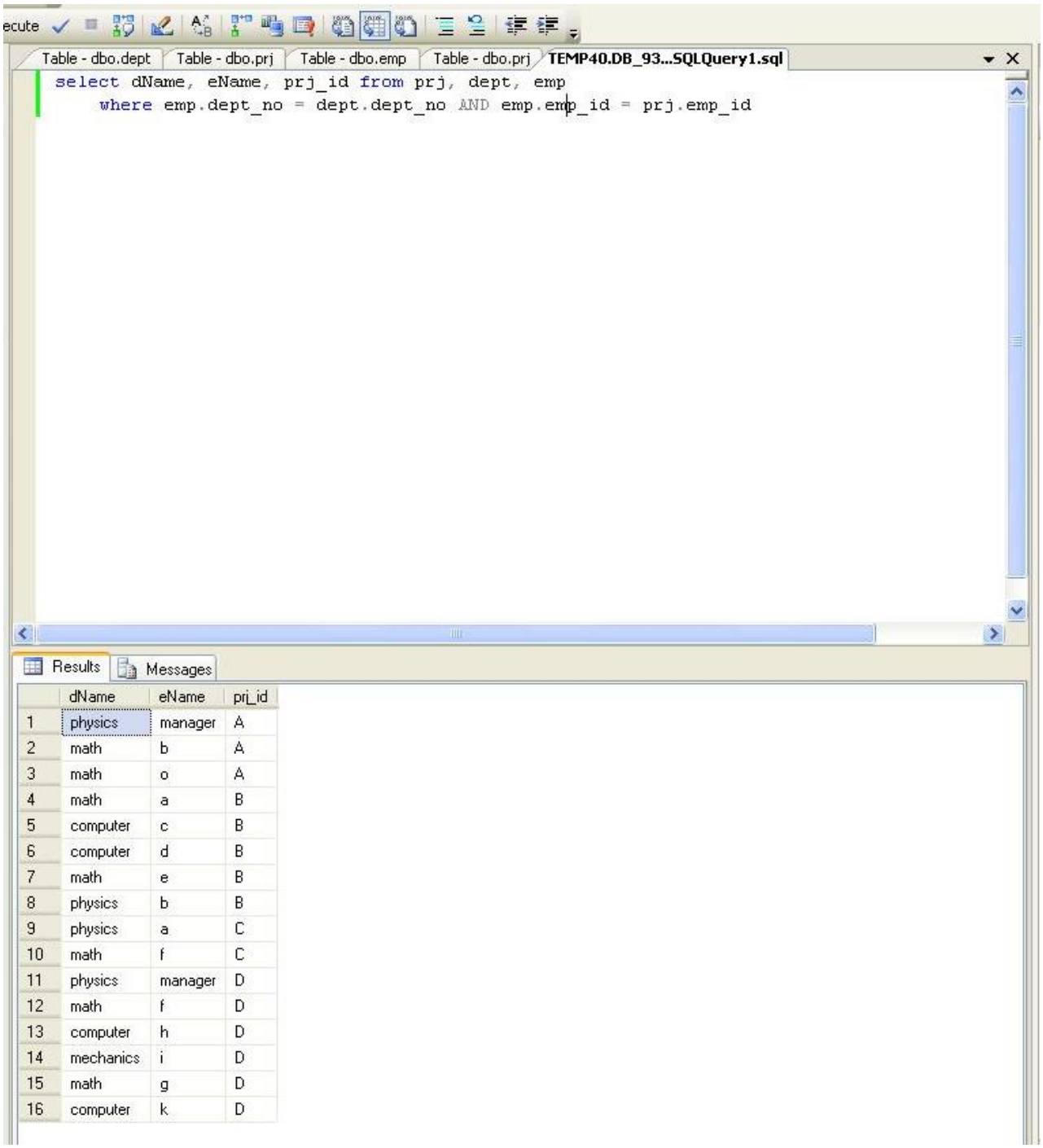
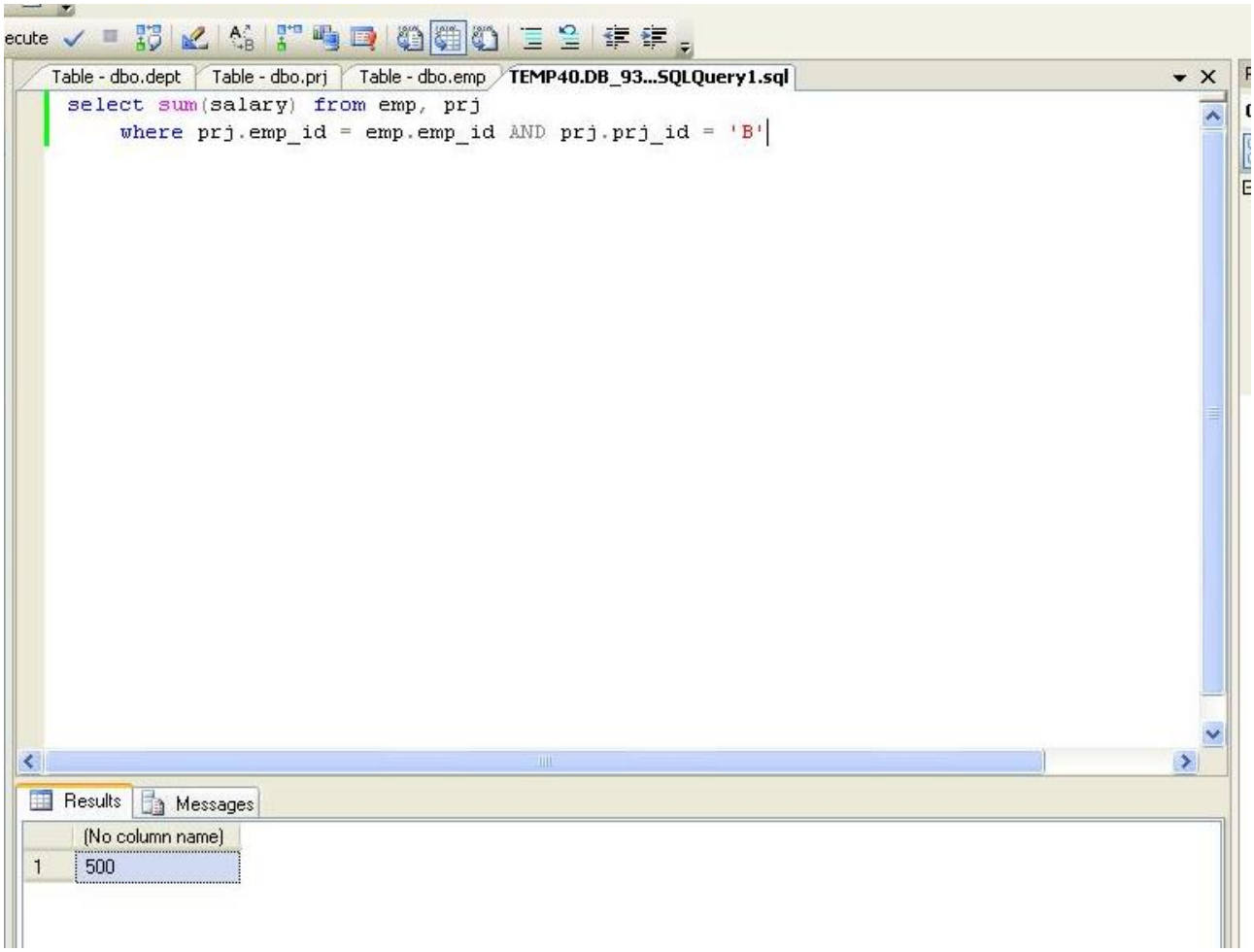


Table - dbo.prj
Table - dbo.emp
Table - dbo.prj
TEMP40.DB_93...SQLQuery1.sql
select prj_id from prj group by prj_id having (count(emp_id) < 4);
Results
Messages
prj_id
1 A
2 C



	dName	eName	prj_id
1	physics	manager	A
2	math	b	A
3	math	o	A
4	math	a	B
5	computer	c	B
6	computer	d	B
7	math	e	B
8	physics	b	B
9	physics	a	C
10	math	f	C
11	physics	manager	D
12	math	f	D
13	computer	h	D
14	mechanics	i	D
15	math	g	D
16	computer	k	D


ecute
Table - dbo.dept
Table - dbo.prj
Table - dbo.emp
TEMP40.DB_93...SQLQuery1.sql
select sum(salary) from emp, prj
where prj.emp_id = emp.emp_id AND prj.prj_id = 'B'
Results
Messages
(No column name)
1
500

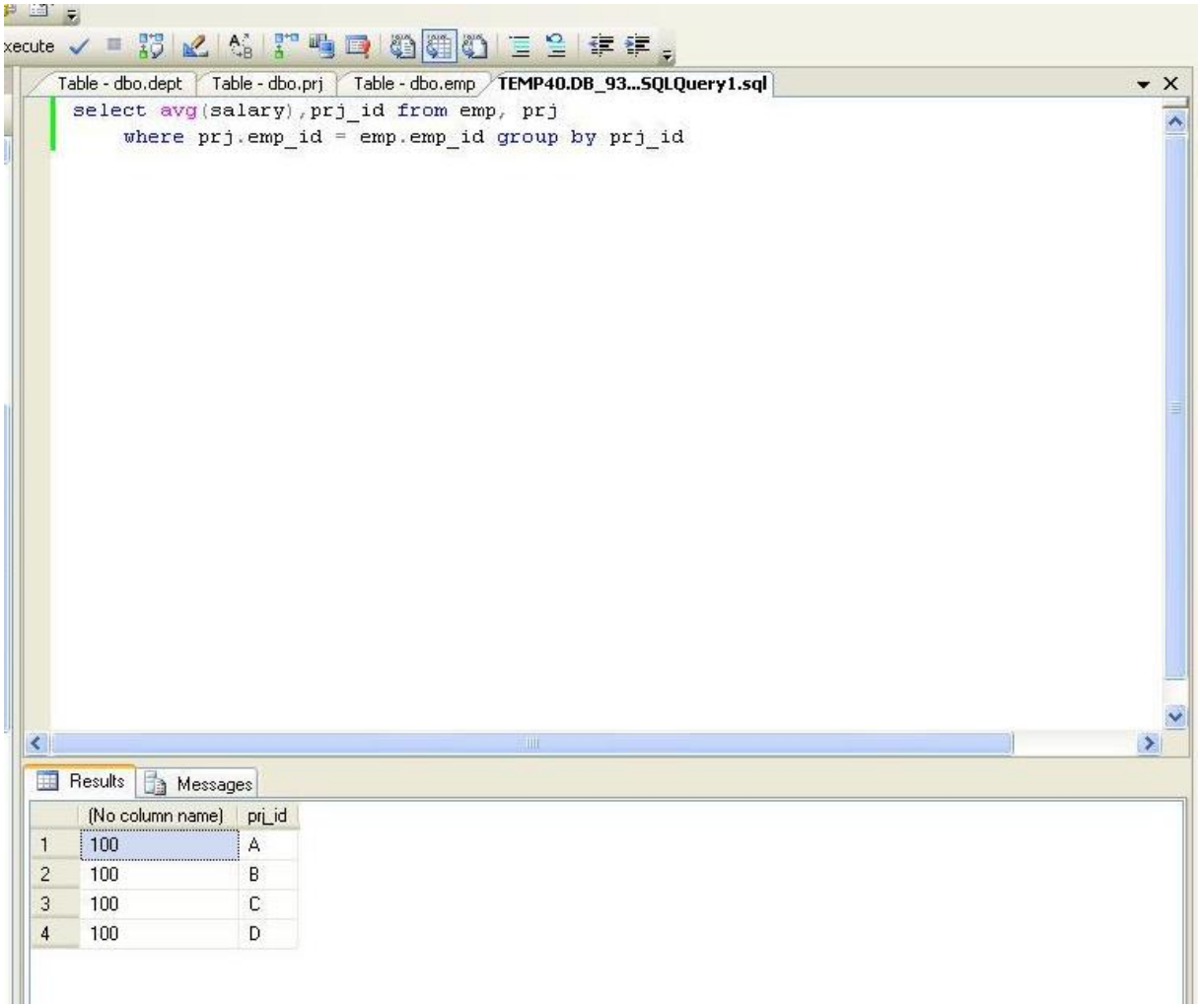


Table - dbo.dept
Table - dbo.prj
Table - dbo.emp
TEMP40.DB_93...SQLQuery1.sql
select avg(salary),prj_id from emp, prj
where prj.emp_id = emp.emp_id group by prj_id
Results
Messages
(No column name)
prj_id
1 100 A
2 100 B
3 100 C
4 100 D

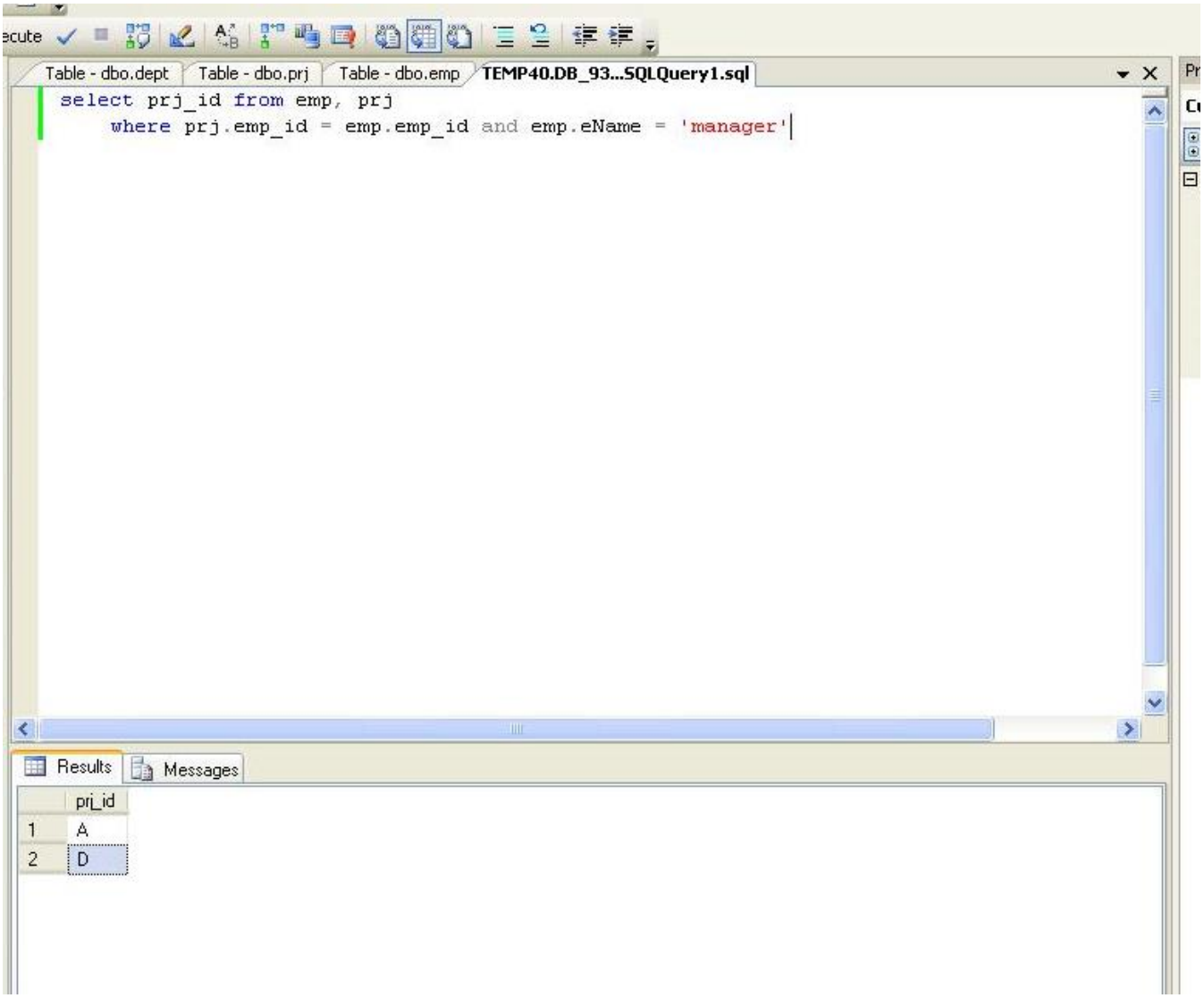


Table - dbo.dept
Table - dbo.prj
Table - dbo.emp
TEMP40.DB_93...SQLQuery1.sql
select prj_id from emp, prj
where prj.emp_id = emp.emp_id and emp.eName = 'manager'
Results
Messages
prj_id
1 A
2 D