

pgAdmin 4

127.0.0.1:5366/brower/

네이버GoogleYouTube구글캘린더지메일아주대학교 포탈아주 BbSpotifyMAPInstagramFacebookGitHubDEVPapago백준PhotoWindy: 날씨 레이더수시장인 : 네이버...공모논문읽기 목록

pgAdminFileObjectToolsHelp

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DashboardPropertiesSQLStatisticsDependenciesDependentsAjouDB/postgres@PostgreSQL 13 \*Query EditorQuery HistoryScratch Pad

```
1 select S1.sID, S1.sName, S1.GPA, S2.sID, S2.sName, S2.GPA
2 from Student S1, Student S2
3 where S1.GPA = S2.GPA;
```

Data OutputExplainMessagesNotifications

	sid integer	sname character varying (20)	gpa numeric (2,1)	sid integer	sname character varying (20)	gpa numeric (2,1)
1	123	Amy	3.9	654	Amy	3.9
2	123	Amy	3.9	876	Irene	3.9
3	123	Amy	3.9	456	Doris	3.9
4	123	Amy	3.9	123	Amy	3.9
5	234	Bob	3.6	234	Bob	3.6
6	345	Craig	3.5	345	Craig	3.5
7	456	Doris	3.9	654	Amy	3.9
8	456	Doris	3.9	876	Irene	3.9
9	456	Doris	3.9	456	Doris	3.9
10	456	Doris	3.9	123	Amy	3.9
11	567	Edward	2.9	765	Jay	2.9
12	567	Edward	2.9	567	Edward	2.9
13	678	Fay	3.8	678	Fay	3.8
14	789	Gary	3.4	543	Craig	3.4
15	789	Gary	3.4	789	Gary	3.4
16	987	Helen	3.7	987	Helen	3.7
17	876	Irene	3.9	654	Amy	3.9
18	876	Irene	3.9	876	Irene	3.9
19	876	Irene	3.9	456	Doris	3.9
20	876	Irene	3.9	123	Amy	3.9

2.3.6

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DashboardPropertiesSQLStatisticsDependenciesDependentsAjouDB/postgres@PostgreSQL 13 \*No limit

AjouDB/postgres@PostgreSQL 13Query EditorQuery HistoryScratch Pad

```
1 select S1.sID, S1.sName, S1.GPA, S2.sID, S2.sName, S2.GPA
2 from Student S1, Student S2
3 where S1.GPA = S2.GPA and S1.sID <> S2.sID;
```

Data OutputExplainMessagesNotifications

	sid integer	sname character varying (20)	gpa numeric (2,1)	sid integer	sname character varying (20)	gpa numeric (2,1)
1	123	Amy	3.9	654	Amy	3.9
2	123	Amy	3.9	876	Irene	3.9
3	123	Amy	3.9	456	Doris	3.9
4	456	Doris	3.9	654	Amy	3.9
5	456	Doris	3.9	876	Irene	3.9
6	456	Doris	3.9	123	Amy	3.9
7	567	Edward	2.9	765	Jay	2.9
8	789	Gary	3.4	543	Craig	3.4
9	876	Irene	3.9	654	Amy	3.9
10	876	Irene	3.9	456	Doris	3.9
11	876	Irene	3.9	123	Amy	3.9
12	765	Jay	2.9	567	Edward	2.9
13	654	Amy	3.9	876	Irene	3.9
14	654	Amy	3.9	456	Doris	3.9
15	654	Amy	3.9	123	Amy	3.9
16	543	Craig	3.4	789	Gary	3.4

2.3.9

Successfully run. Total query runtime: 70 msec. 16 rows affected.

NAVER

콘텐츠

Bb 2766480

Bb 2766481

Bb 2766482

Bb 2766483

Bb 2766484

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DashboardPropertiesSQLStatisticsDependenciesDependentsAjouDB/postgres@PostgreSQL 13 \*

Query Editor

Query History

```
1 select sID, sName, GPA, GPA*(sizeHS/1000.0) as scaledGPA
2 from Student
3 where GPA*(sizeHS/1000.0) - GPA > 1.0
4 or GPA - GPA*(sizeHS/1000.0) > 1.0;
5
```

Data Output

Explain

Messages

Notifications

	sid integer	sname character varying (20)	gpa numeric (2,1)	scaledgpa numeric
1	234	Bob	3.6	5.4000000000000000
2	345	Craig	3.5	1.7500000000000000
3	567	Edward	2.9	5.8000000000000000
4	678	Fay	3.8	0.7600000000000000
5	876	Irene	3.9	1.5600000000000000
6	765	Jay	2.9	4.3500000000000000
7	543	Craig	3.4	6.8000000000000000

Scratch Pad

2.5.4.1

### 2.5.4.2

✓ Successfully run. Total query runtime: 85 msec. 7 rows affected.

NAVER

콘텐츠

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              - Triggers
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            - student
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            - Views

DashboardPropertiesSQLStatisticsDependenciesDependentsAjouDB/postgres@PostgreSQL 13 \*

Query Editor

Query History

```
1 select *
2 from (select sID, sName, GPA, GPA*(sizeHS/1000.0) as scaledGPA
3 from Student) G
4 where abs(G.scaledGPA - GPA) > 1.0;
```

Data Output

Explain

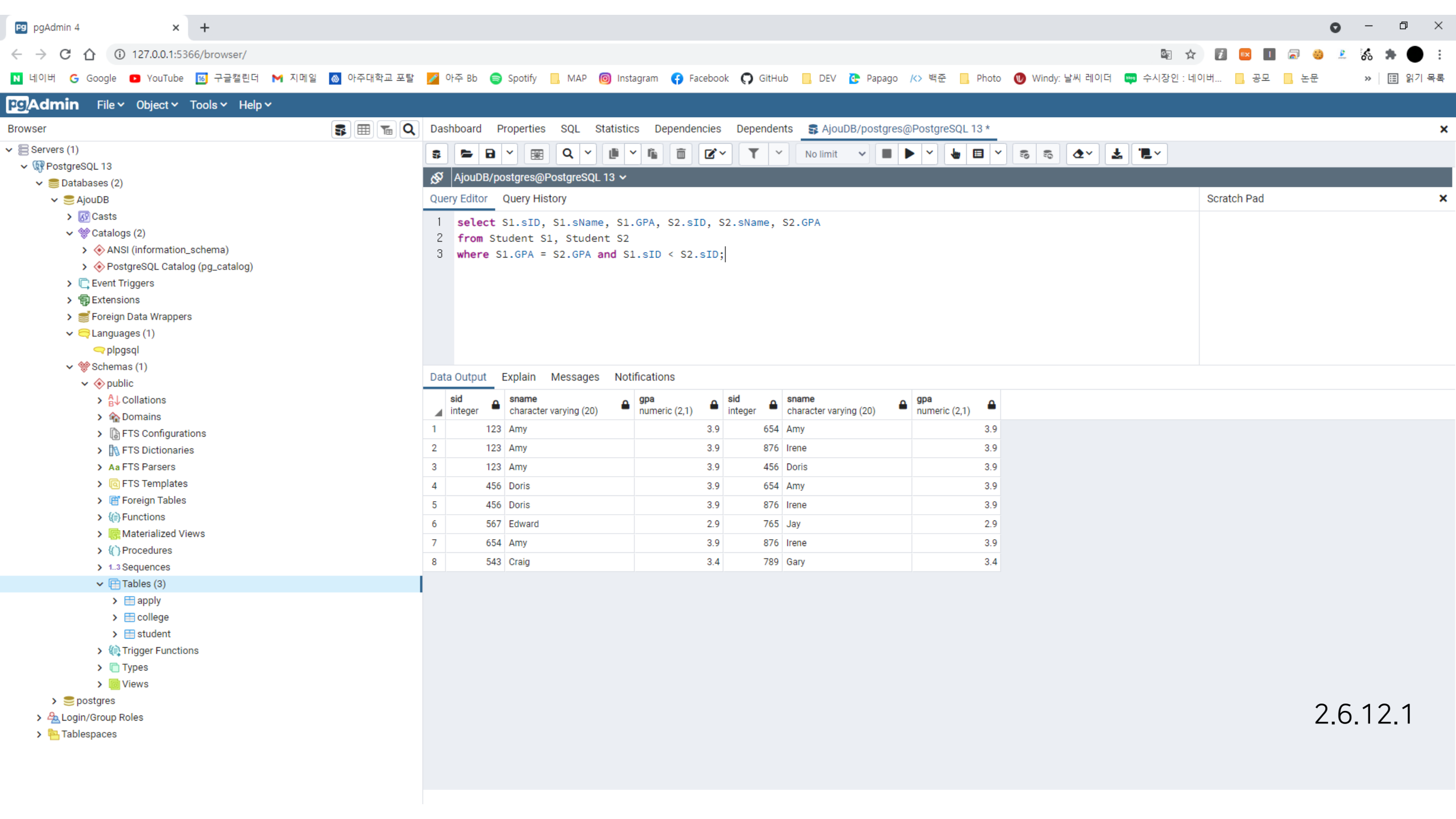
Messages

Notifications

	sid integer	sname character varying (20)	gpa numeric (2,1)	scaledgpa numeric
1	234	Bob	3.6	5.4000000000000000
2	345	Craig	3.5	1.7500000000000000
3	567	Edward	2.9	5.8000000000000000
4	678	Fay	3.8	0.7600000000000000
5	876	Irene	3.9	1.5600000000000000
6	765	Jay	2.9	4.3500000000000000
7	543	Craig	3.4	6.8000000000000000

2.5.5

Successfully run. Total query runtime: 81 msec. 7 rows affected.



2.6.12.1

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DashboardPropertiesSQLStatisticsDependenciesDependentsAjouDB/postgres@PostgreSQL 13 \*

Query EditorQuery History

1 select S1.sID, S1.sName, S1.GPA, S2.sID, S2.sName, S2.GPA  
2 from Student S1 join Student S2 using(GPA)  
3 where S1.sID < S2.sID;

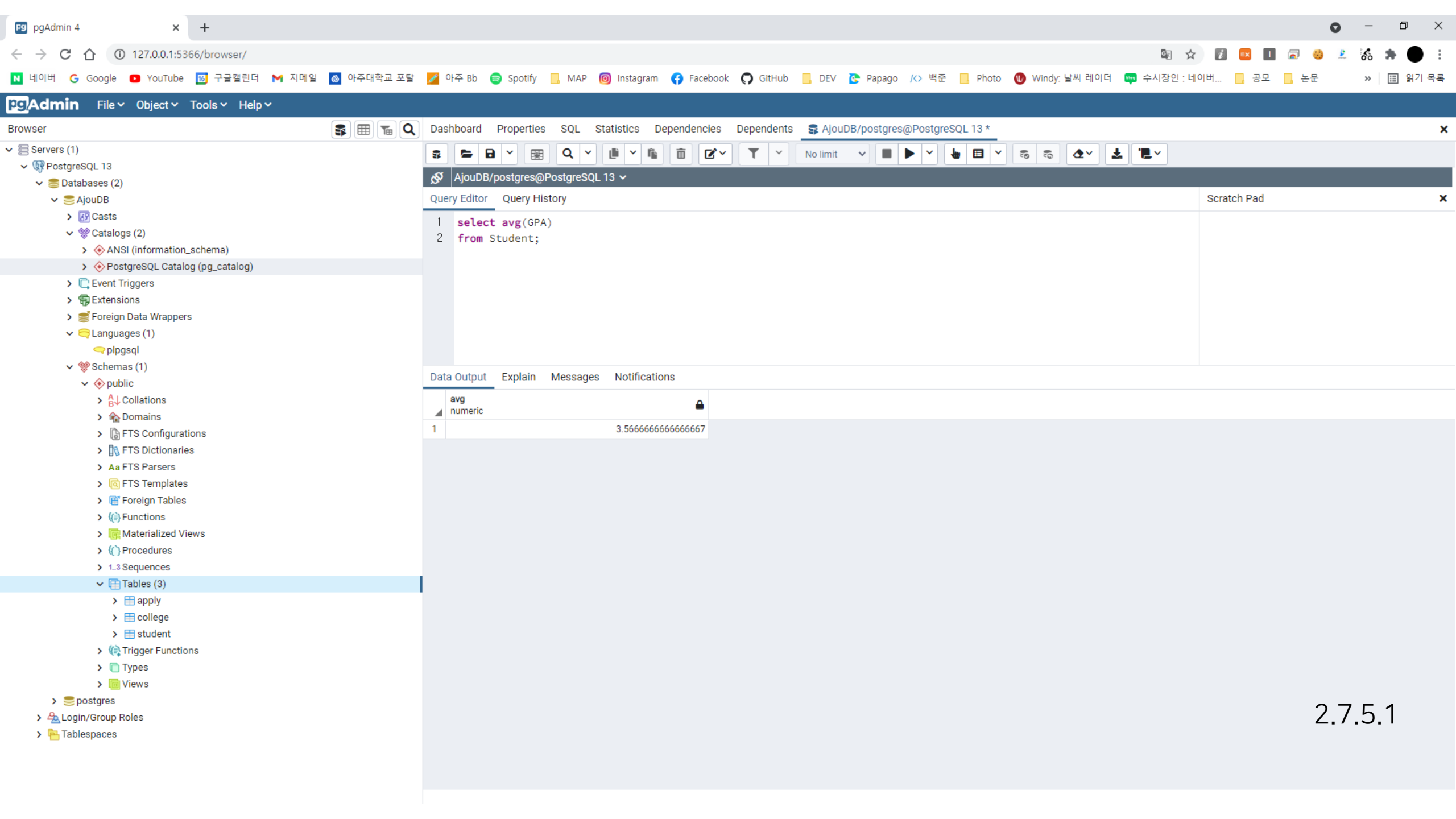
Scratch Pad

Data OutputExplainMessagesNotifications

	sid integer	sname character varying (20)	gpa numeric (2,1)	sid integer	sname character varying (20)	gpa numeric (2,1)
1	123	Amy	3.9	654	Amy	3.9
2	123	Amy	3.9	876	Irene	3.9
3	123	Amy	3.9	456	Doris	3.9
4	456	Doris	3.9	654	Amy	3.9
5	456	Doris	3.9	876	Irene	3.9
6	567	Edward	2.9	765	Jay	2.9
7	654	Amy	3.9	876	Irene	3.9
8	543	Craig	3.4	789	Gary	3.4

2.6.12.2

Successfully run. Total query runtime: 85 msec. 8 rows affected.



2.7.5.1



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DashboardPropertiesSQLStatisticsDependenciesDependentsAjouDB/postgres@PostgreSQL 13 \*AjouDB/postgres@PostgreSQL 13Query EditorQuery HistoryScratch Pad

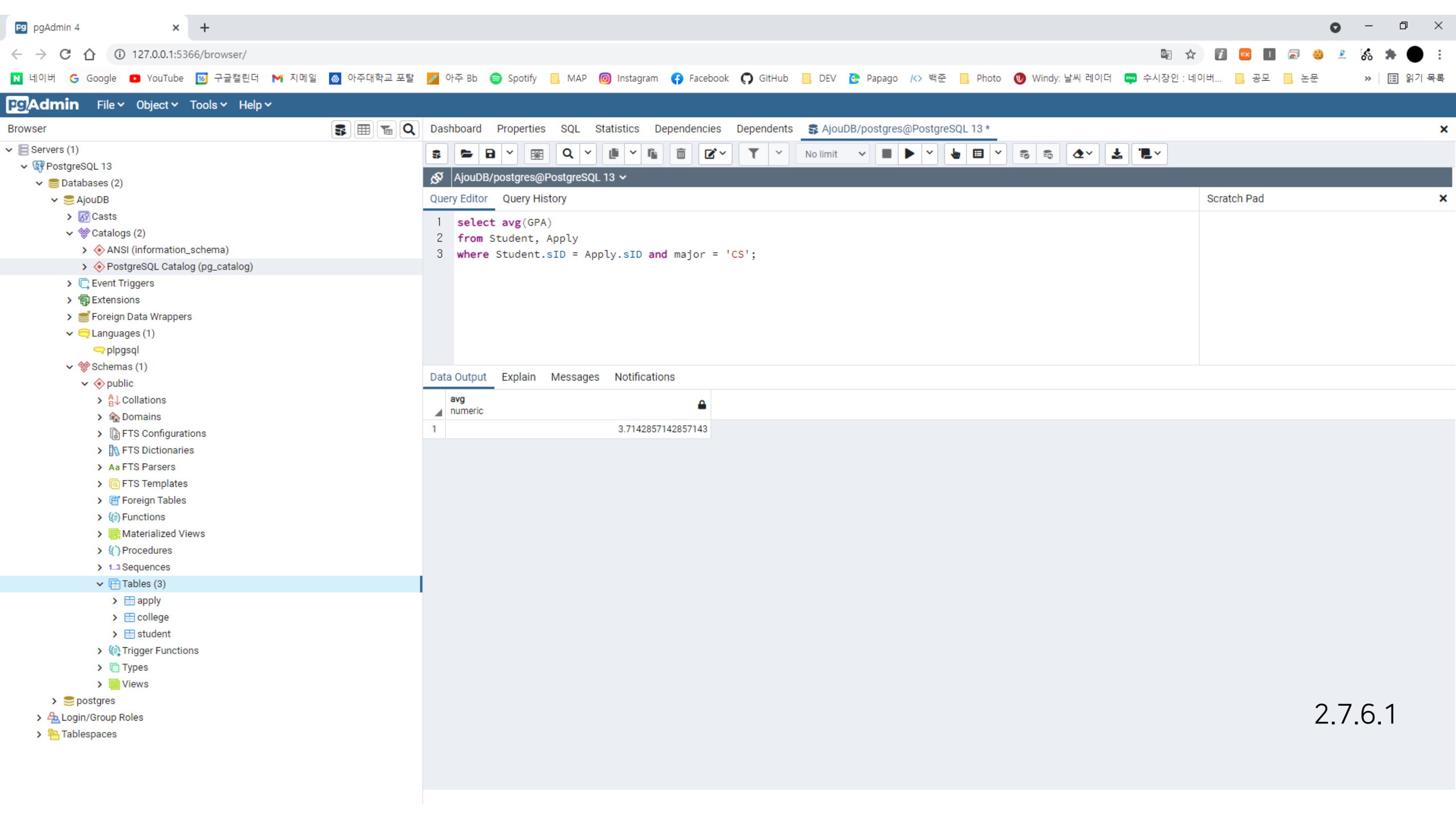
```
1 select min(GPA)
2 from Student, Apply
3 where Student.sID = Apply.sID and major = 'CS';
```

Data OutputExplainMessagesNotifications

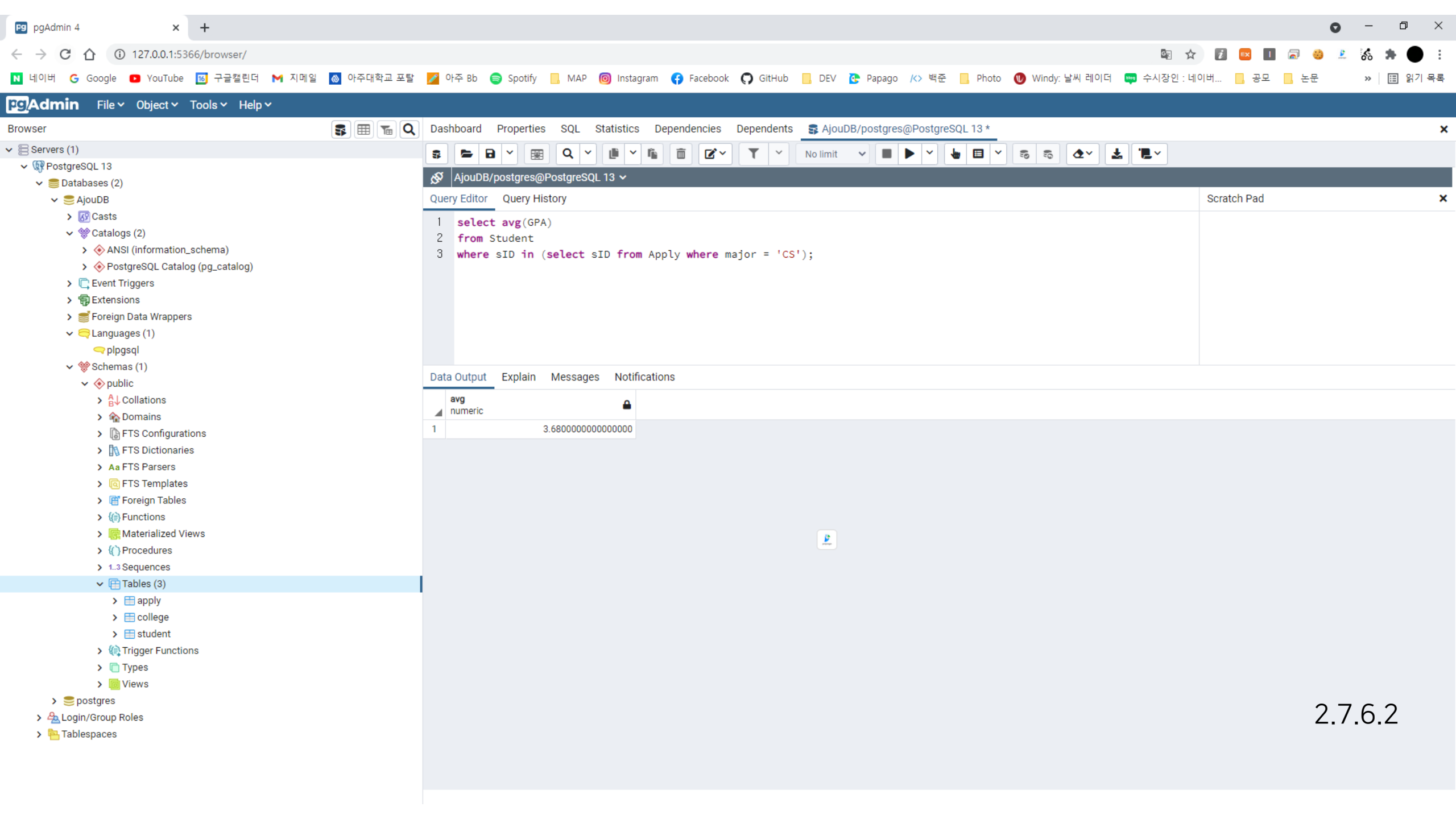
	min	numeric
1		3.4

2.7.5.2

Successfully run. Total query runtime: 94 msec. 1 rows affected.



2.7.6.1



Dashboard Properties SQL Statistics Dependencies Dependents AjouDB/postgres@PostgreSQL 13 \*

AjouDB/postgres@PostgreSQL 13

Query Editor

Query History

Scratch Pad

```
1 select avg(GPA)
2 from Student
3 where sID in (select sID from Apply where major = 'CS');
```

Data Output

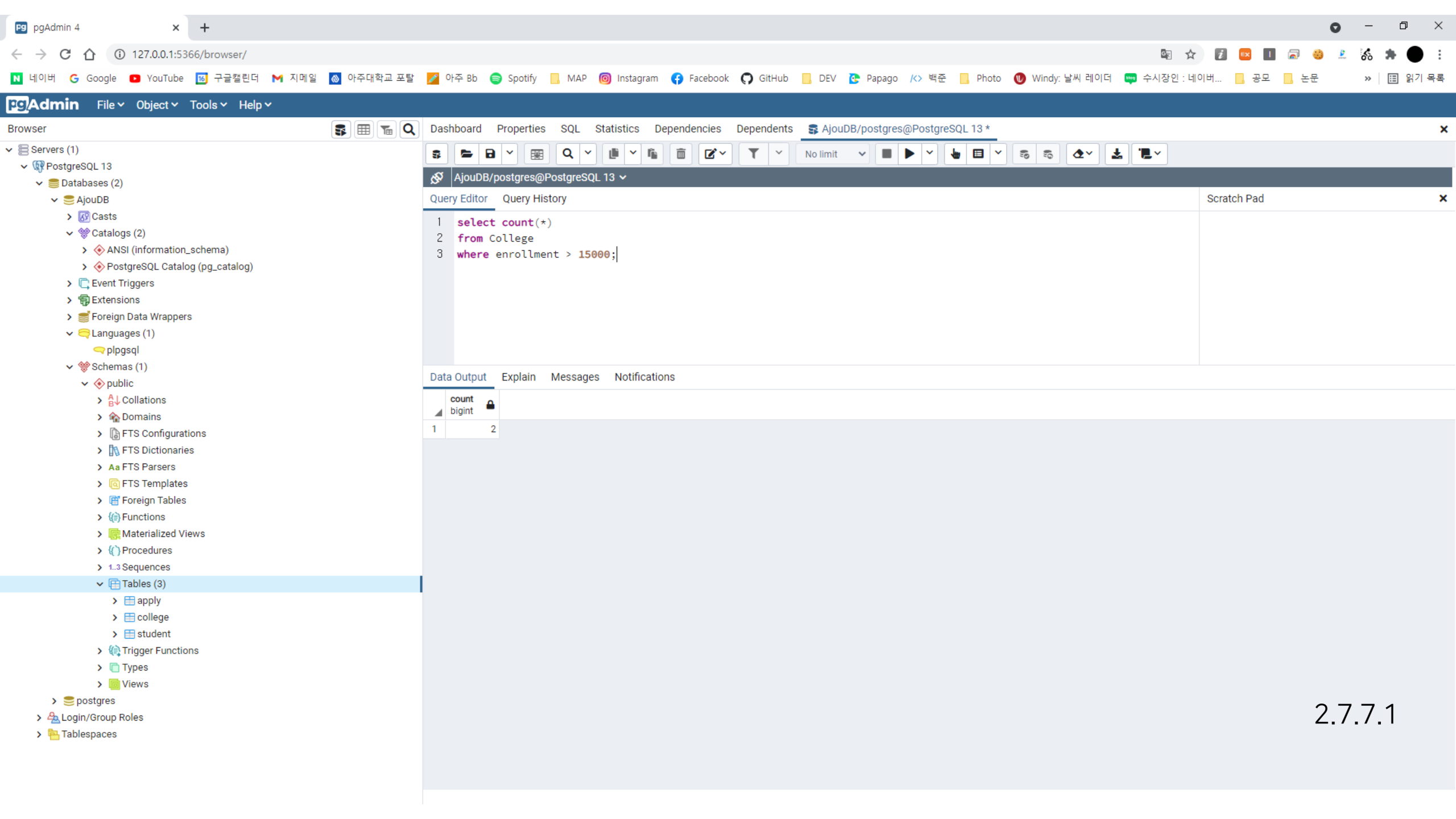
Explain

Messages

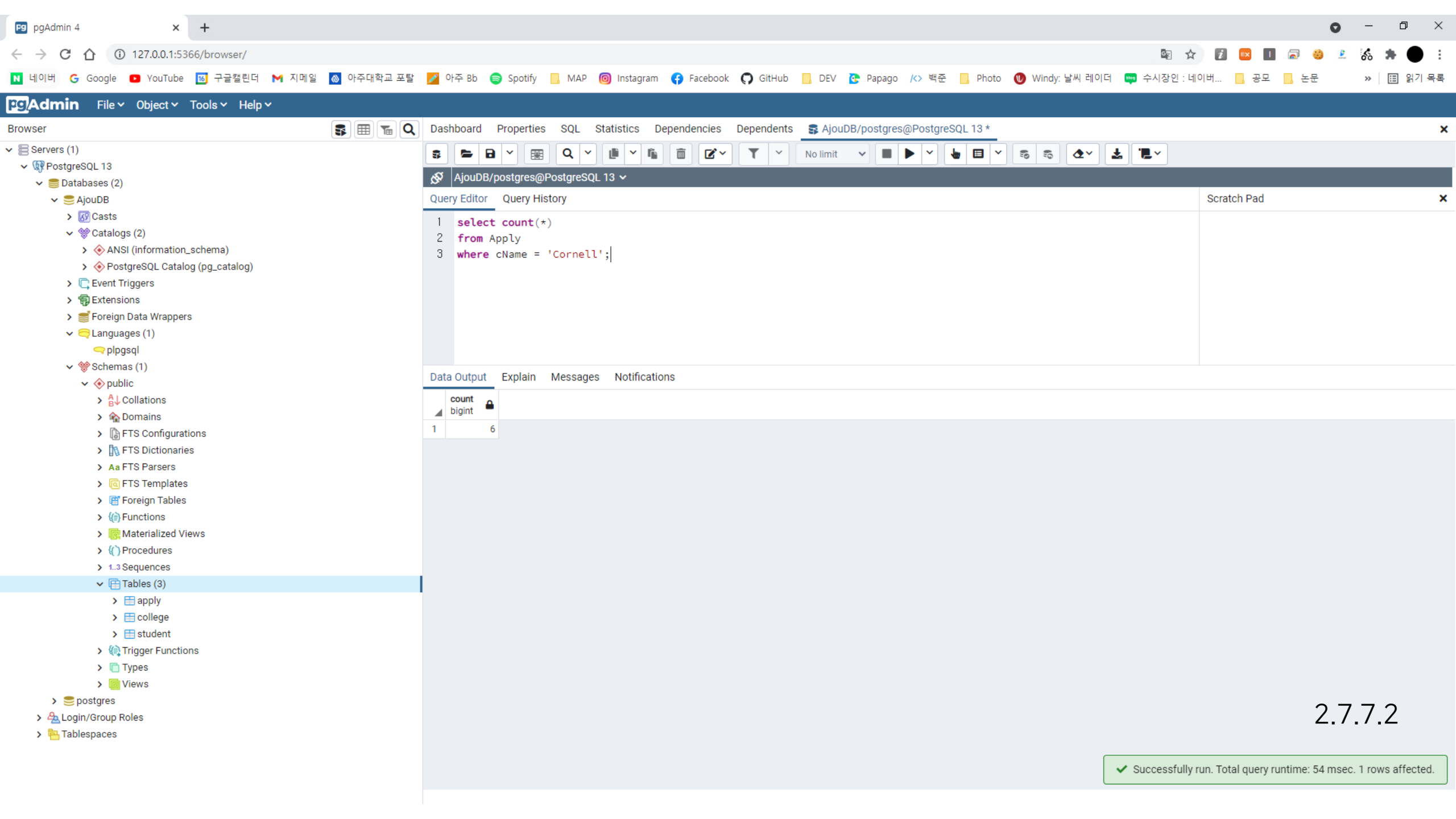
Notifications

	avg	numeric
1		3.6800000000000000

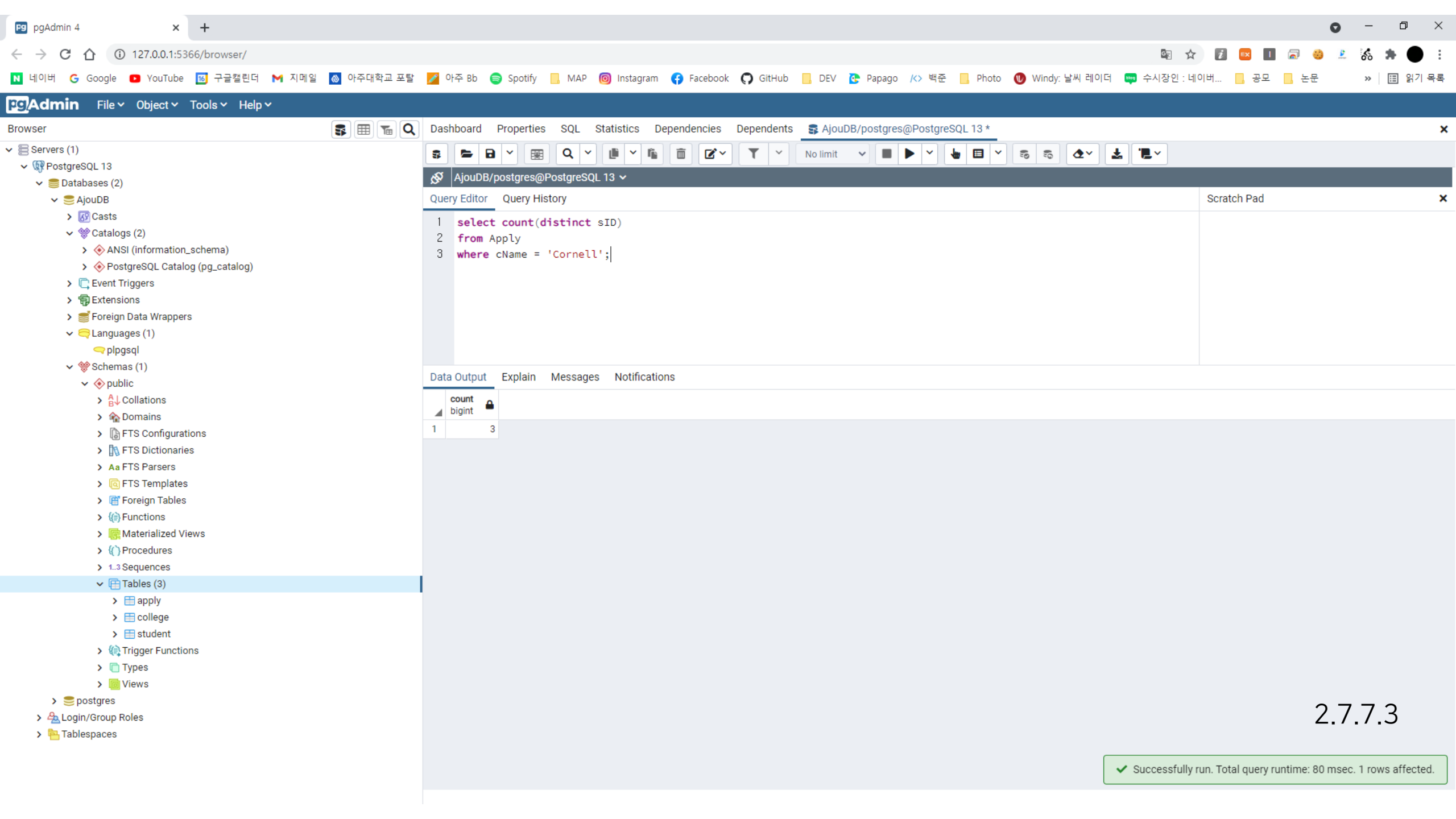
2.7.6.2



2.7.7.1



2.7.7.2



2.7.7.3



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DashboardPropertiesSQLStatisticsDependenciesDependentsAjouDB/postgres@PostgreSQL 13 \*

AjouDB/postgres@PostgreSQL 13

Query EditorQuery HistoryScratch Pad

1select cName, count(\*)2from Apply3group by cName;

Data OutputExplainMessagesNotifications

	cname character varying (20)	count bigint	
1	Cornell	6	
2	MIT	4	
3	Berkeley	3	
4	Stanford	6	

data-16185942451....csv모두 표시

2.7.12.1

Successfully run. Total query runtime: 82 msec. 4 rows affected.





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DashboardPropertiesSQLStatisticsDependenciesDependentsAjouDB/postgres@PostgreSQL 13 \*

Query Editor

Query History

```
1 select cName, major, min(GPA), max(GPA)
2 from Student, Apply
3 where Student.sID = Apply.sID
4 group by cName, major;
```

Scratch Pad

Data Output

Explain

Messages

Notifications

	cname character varying (20)	major character varying (20)	min numeric	max numeric
1	Cornell	CS	3.5	3.5
2	Cornell	history	2.9	2.9
3	Cornell	psychology	2.9	2.9
4	MIT	bioengineering	3.5	3.5
5	Cornell	bioengineering	3.5	3.5
6	Stanford	history	2.9	3.8
7	MIT	biology	3.9	3.9
8	Stanford	EE	3.9	3.9
9	MIT	marine biology	3.9	3.9
10	MIT	CS	3.4	3.4
11	Stanford	CS	3.7	3.9
12	Berkeley	CS	3.7	3.9
13	Berkeley	biology	3.6	3.6
14	Cornell	EE	3.5	3.9

2.7.13

Successfully run. Total query runtime: 75 msec. 14 rows affected.

data-16185942451....csv

모두 표시

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DashboardPropertiesSQLStatisticsDependenciesDependentsAjouDB/postgres@PostgreSQL 13 \*

AjouDB/postgres@PostgreSQL 13

Query EditorQuery History

```
1 select max(mx-mn)
2 from (select cName, major, min(GPA) as mn, max(GPA) as mx
3 from Student, Apply
4 where Student.sID = Apply.sID
5 group by cName, major) M;
```

Data Output

	max	numeric
1		0.9

ExplainMessagesNotifications

Scratch Pad

data-16185942451....csv모두 표시

2.7.14

Successfully run. Total query runtime: 96 msec. 1 rows affected.

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DashboardPropertiesSQLStatisticsDependenciesDependentsAjouDB/postgres@PostgreSQL 13 \*No limit

AjouDB/postgres@PostgreSQL 13Query EditorQuery HistoryScratch Pad

```
1 select Student.sID, count(distinct cName)
2 from Student, Apply
3 where Student.sID = Apply.sID
4 group by Student.sID;
```

Data OutputExplainMessagesNotifications

	sid	count
	integer	bigint
1	123	3
2	234	1
3	345	2
4	543	1
5	678	1
6	765	2
7	876	2
8	987	2

2.7.15

Successfully run. Total query runtime: 72 msec. 8 rows affected.

data-16185942451....csv모두 표시

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DashboardPropertiesSQLStatisticsDependenciesDependents

AjouDB/postgres@PostgreSQL 13 \*

Query EditorQuery History

```
1 select Student.sID, sName, count(distinct cName)
2 from Student, Apply
3 where Student.sID = Apply.sID
4 group by Student.sID;
```

Scratch Pad

Data OutputExplainMessagesNotifications

ERROR: 오류: column "student.sname" 는 반드시 GROUP BY 절내에 있어야 하든지 또는 집계 함수 내에서 사용되어야 한다  
LINE 1: select Student.sID, sName, count(distinct cName)  
^  
  
SQL state: 42803  
Character: 21

2.7.16

data-16185942451....csv

모두 표시

pgAdmin 4

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네이버GoogleYouTube구글캘린더지메일아주대학교 포탈아주 BbSpotifyMAPInstagramFacebookGitHubDEVPapago백준PhotoWindy: 날씨 레이더수시장인 : 네이버...공모논문읽기 목록

pgAdminFileObjectToolsHelp

Browser

Servers (1)

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DashboardPropertiesSQLStatisticsDependenciesDependentsAjouDB/postgres@PostgreSQL 13 \*

AjouDB/postgres@PostgreSQL 13

Query EditorQuery History

```
1 select Student.sID, sName, count(distinct cName), cName
2 from Student, Apply
3 where Student.sID = Apply.sID
4 group by Student.sID;
```

Scratch Pad

Data OutputExplainMessagesNotifications

ERROR: 오류: column "student.sname" 는 반드시 GROUP BY 절내에 있어야 하든지 또는 집계 함수 내에서 사용되어야 한다  
LINE 1: select Student.sID, sName, count(distinct cName), cName  
^

SQL state: 42803  
Character: 21

2.7.17

pgAdmin 4

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pgAdminFileObjectToolsHelp

BrowserServers (1)PostgreSQL 13Databases (2)AjouDB> Casts> Catalogs (2)> ANSI (information\_schema)> PostgreSQL Catalog (pg\_catalog)> Event Triggers> Extensions> Foreign Data Wrappers> Languages (1)plpgsql> Schemas (1)> public> Collations> Domains> FTS Configurations> FTS Dictionaries> Aa FTS Parsers> FTS Templates> Foreign Tables> Functions> Materialized Views> Procedures> 1.3 Sequences> Tables (3)> apply> college> student> Trigger Functions> Types> Views> postgres> Login/Group Roles> Tablespaces

DashboardPropertiesSQLStatisticsDependenciesDependentsAjouDB/postgres@PostgreSQL 13 \*

Query EditorQuery History

```
1 select Student.sID, count(distinct cName)
2 from Student, Apply
3 where Student.sID = Apply.sID
4 group by Student.sID
5 union
6 select sID, 0
7 from Student
8 where sID not in (select sID from Apply);
```

Data OutputExplainMessagesNotifications

	sid integer	count bigint
1	234	1
2	654	0
3	543	1
4	678	1
5	987	2
6	765	2
7	789	0
8	456	0
9	123	3
10	567	0
11	345	2
12	876	2

Scratch Pad

data-16185942451....csv모두 표시

2.7.18

Successfully run. Total query runtime: 49 msec. 12 rows affected.