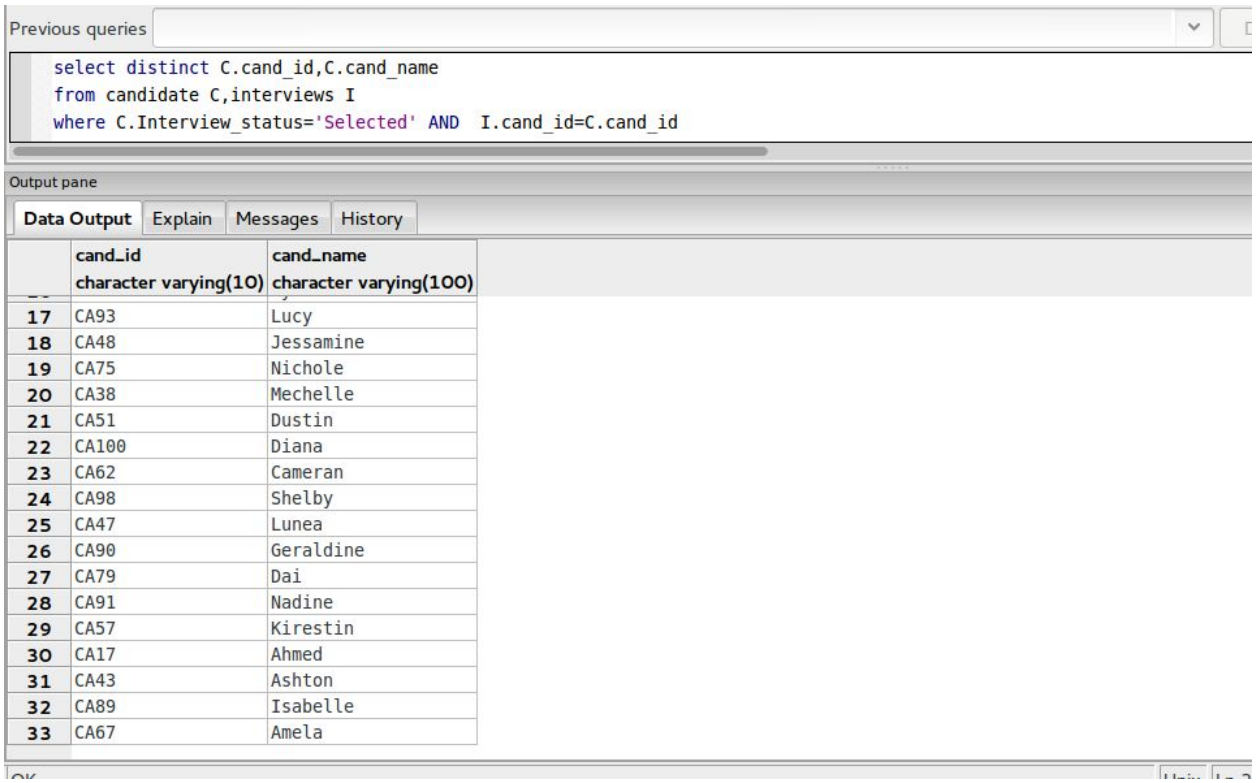
SQL_QUERIES

RECRUITMENT MANAGEMENT SYSTEM

1.Display all the candidate name ,id who are selected in interview

```
select distinct C.cand_id,C.cand_name
from candidate C,interviews I
where C.Interview_status='Selected' AND  I.cand_id=C.cand_id
```



Previous queries

```
select distinct C.cand_id,C.cand_name
from candidate C,interviews I
where C.Interview_status='Selected' AND  I.cand_id=C.cand_id
```

Output pane

Data Output | Explain | Messages | History

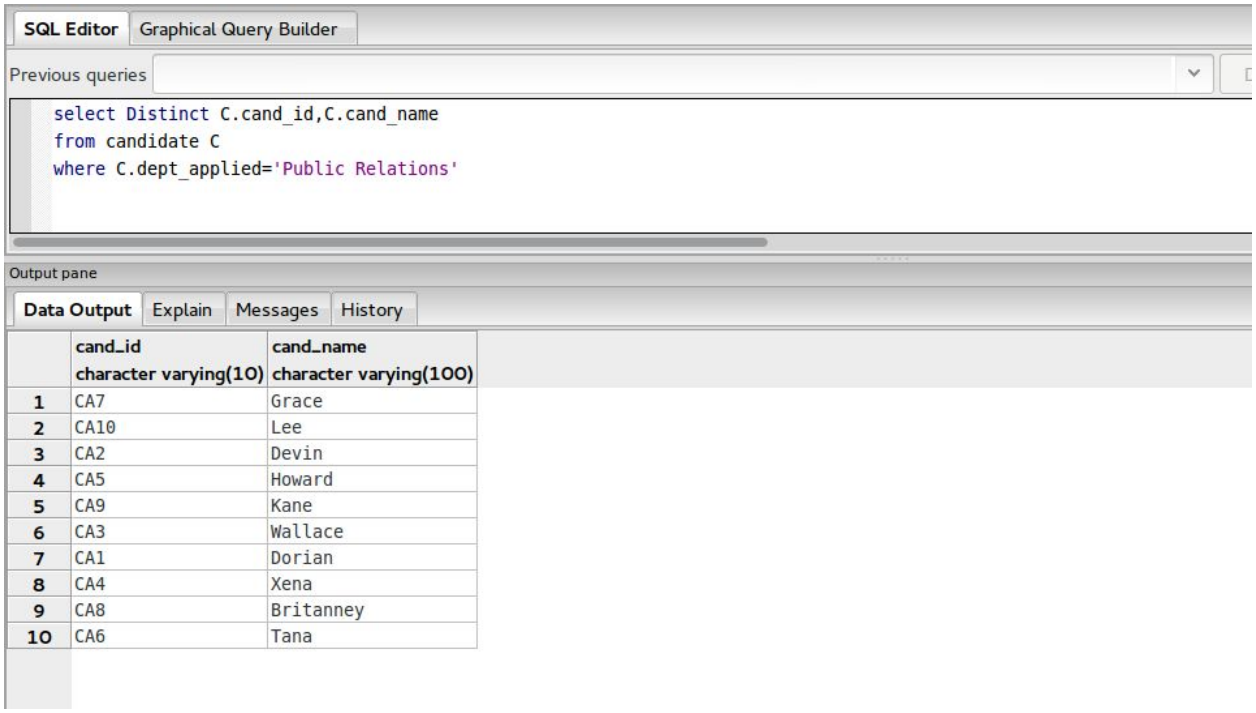
	cand_id character varying(10)	cand_name character varying(100)
17	CA93	Lucy
18	CA48	Jessamine
19	CA75	Nichole
20	CA38	Mechelle
21	CA51	Dustin
22	CA100	Diana
23	CA62	Cameran
24	CA98	Shelby
25	CA47	Lunea
26	CA90	Geraldine
27	CA79	Dai
28	CA91	Nadine
29	CA57	Kirestin
30	CA17	Ahmed
31	CA43	Ashton
32	CA89	Isabelle
33	CA67	Amela

33 rows returned

2.list all the candidate names and id who have applied for public relation department

```
select Distinct C.cand_id,C.cand_name
from candidate C
```

where C.dept_applied='Public Relations'

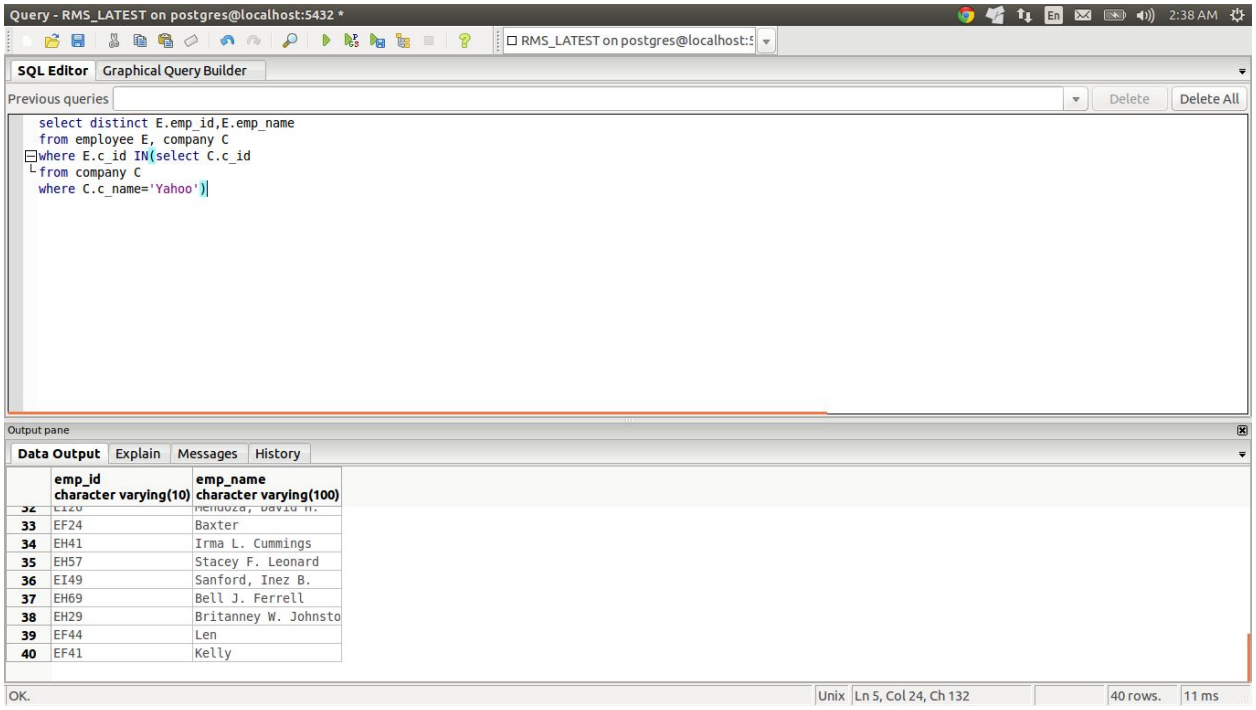


	cand_id character varying(10)	cand_name character varying(100)
1	CA7	Grace
2	CA10	Lee
3	CA2	Devin
4	CA5	Howard
5	CA9	Kane
6	CA3	Wallace
7	CA1	Dorian
8	CA4	Xena
9	CA8	Britanney
10	CA6	Tana

10 rows returned

3.list all the details of employees in a Yahoo company

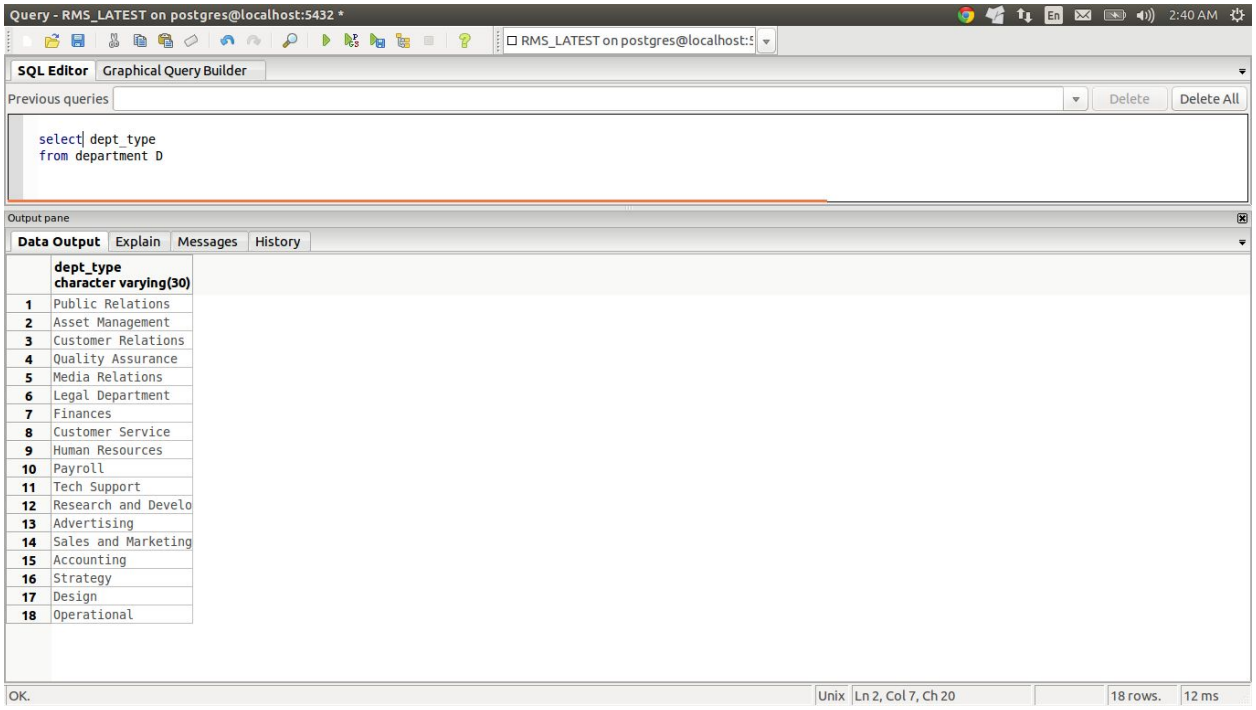
```
select distinct E.emp_id,E.emp_name
from employee E, company C
where E.c_id IN(select C.c_id
from company C
where C.c_name='Yahoo')
```



40 rows returned

4.list all types of a department of a company

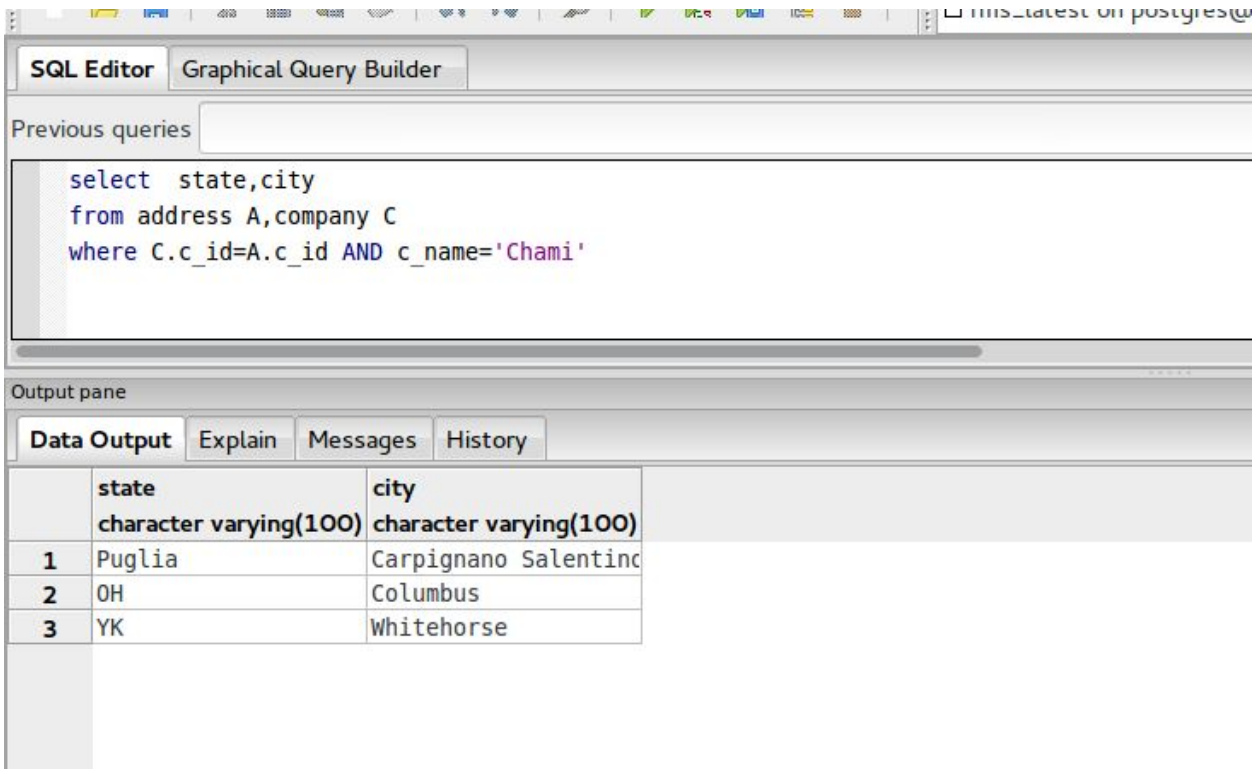
select dept_type
from department D



18 rows returned

5.display the locations of a chami company

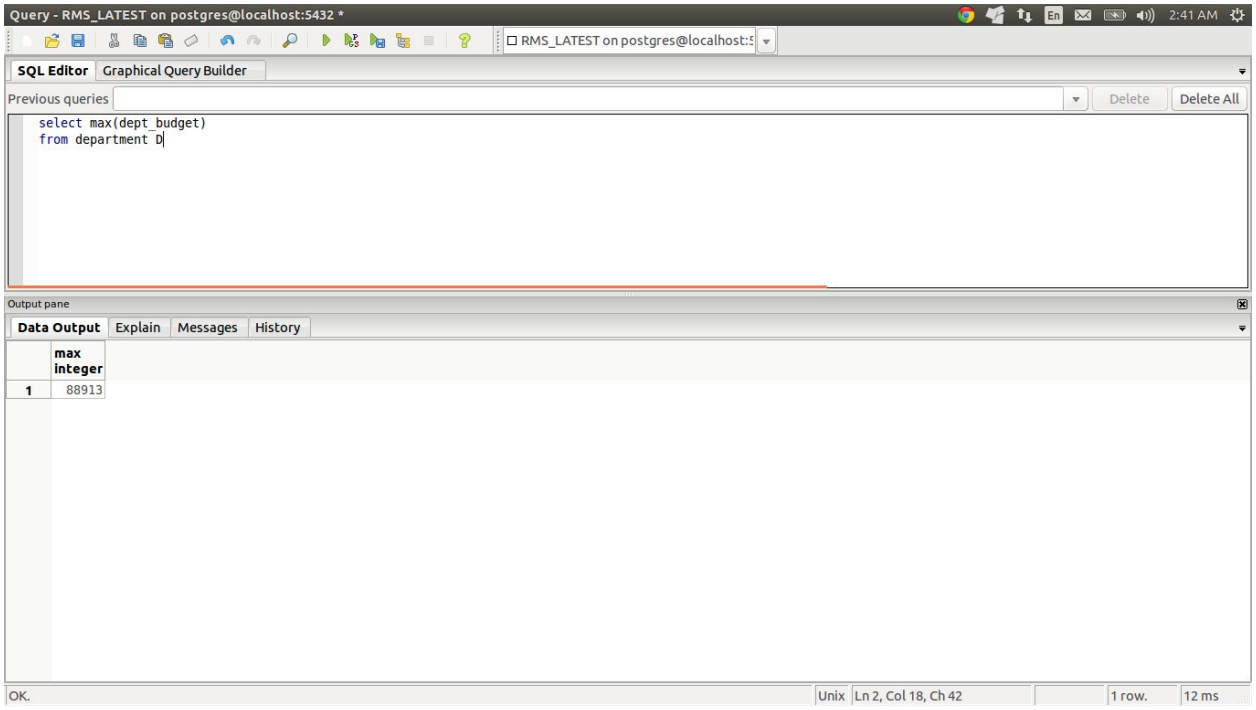
```
select state,city
from address A,company C
where C.c_id=A.c_id AND c_name='Chami'
```



3 rows returned

6.Display the maximum budget of a department from any company

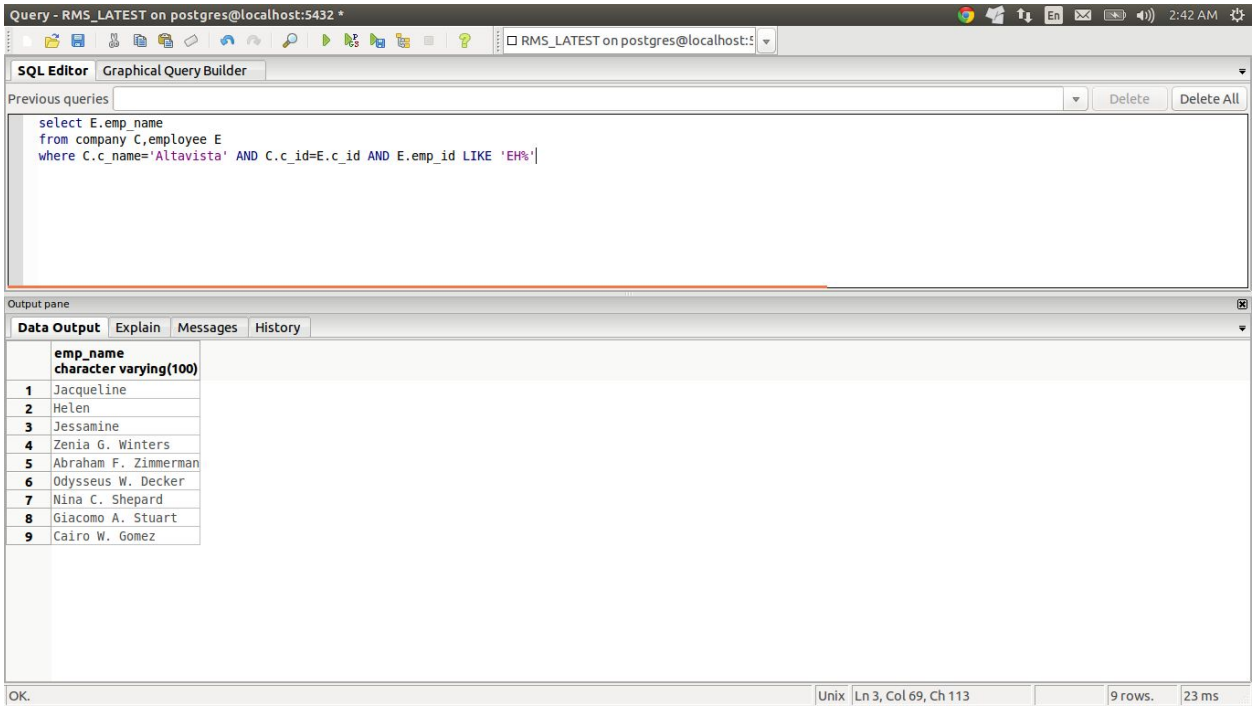
```
select max(dept_budget)
from department D
```



1 row returned

7.list all the hourly employee in altavista company

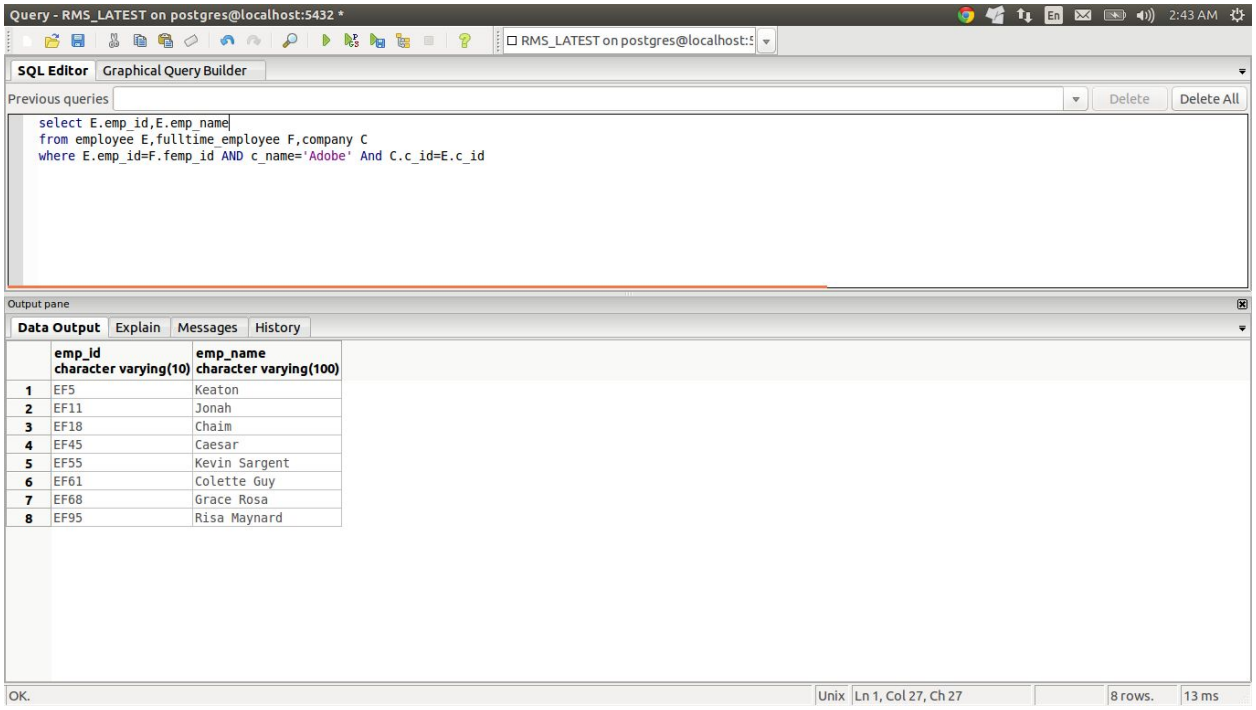
select E.emp_name
from company C,employee E
where C.c_name=’Altavista’ AND C.c_id=E.c_id AND E.emp_id LIKE ’EH%’



9 rows returned

8.list all the full time employee in ADOBE

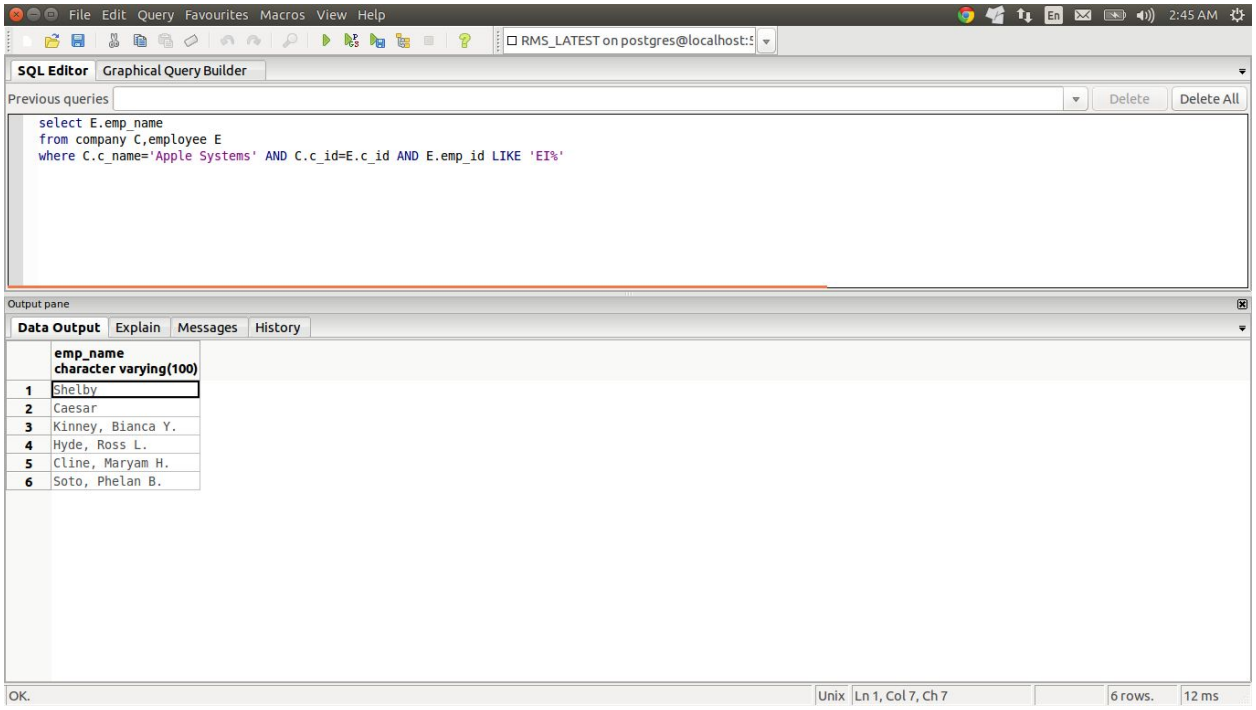
```
select E.emp_id,E.emp_name
from employee E,fulltime_employee F,company C
where E.emp_id=F.femp_id AND c_name='Adobe' And C.c_id=E.c_id
```



8 rows returned

9.list all the intern in APPLE SYSTEMS

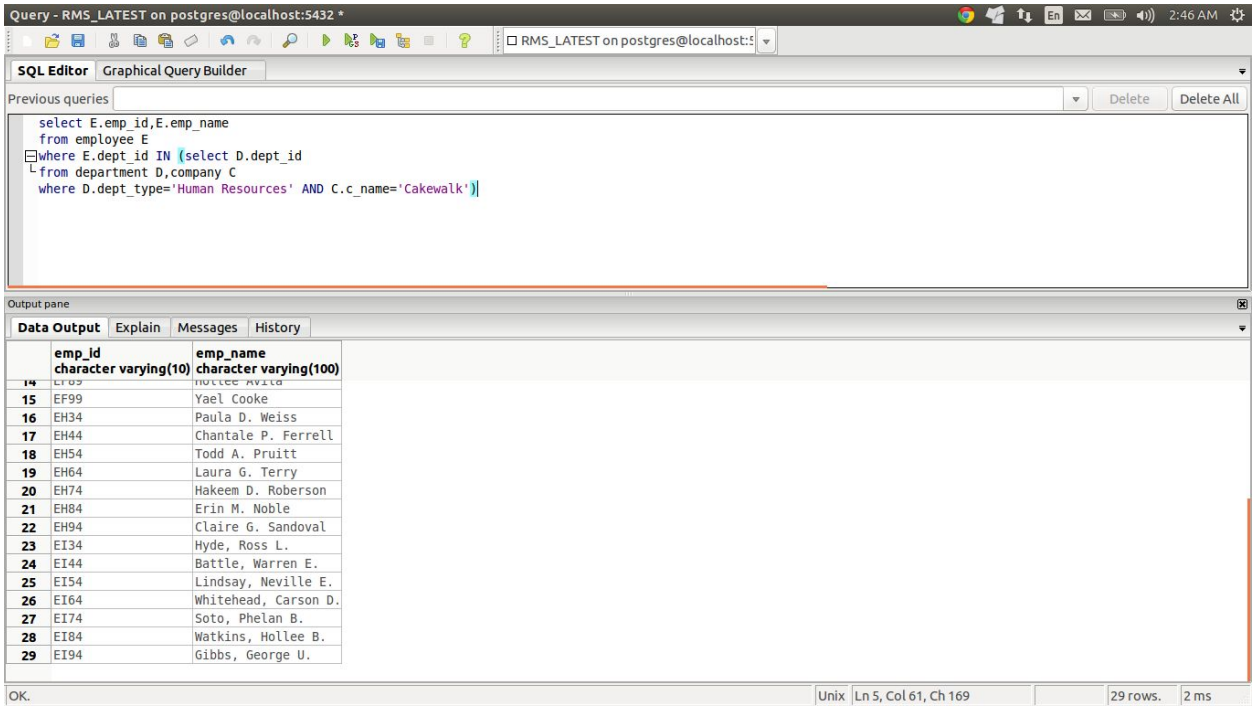
select E.emp_name
from company C,employee E
where C.c_name=’Apple Systems’ AND C.c_id=E.c_id AND E.emp_id LIKE ’EI%’



6 rows returned

10.list all the details of employee in a HR department in a cakewalk company

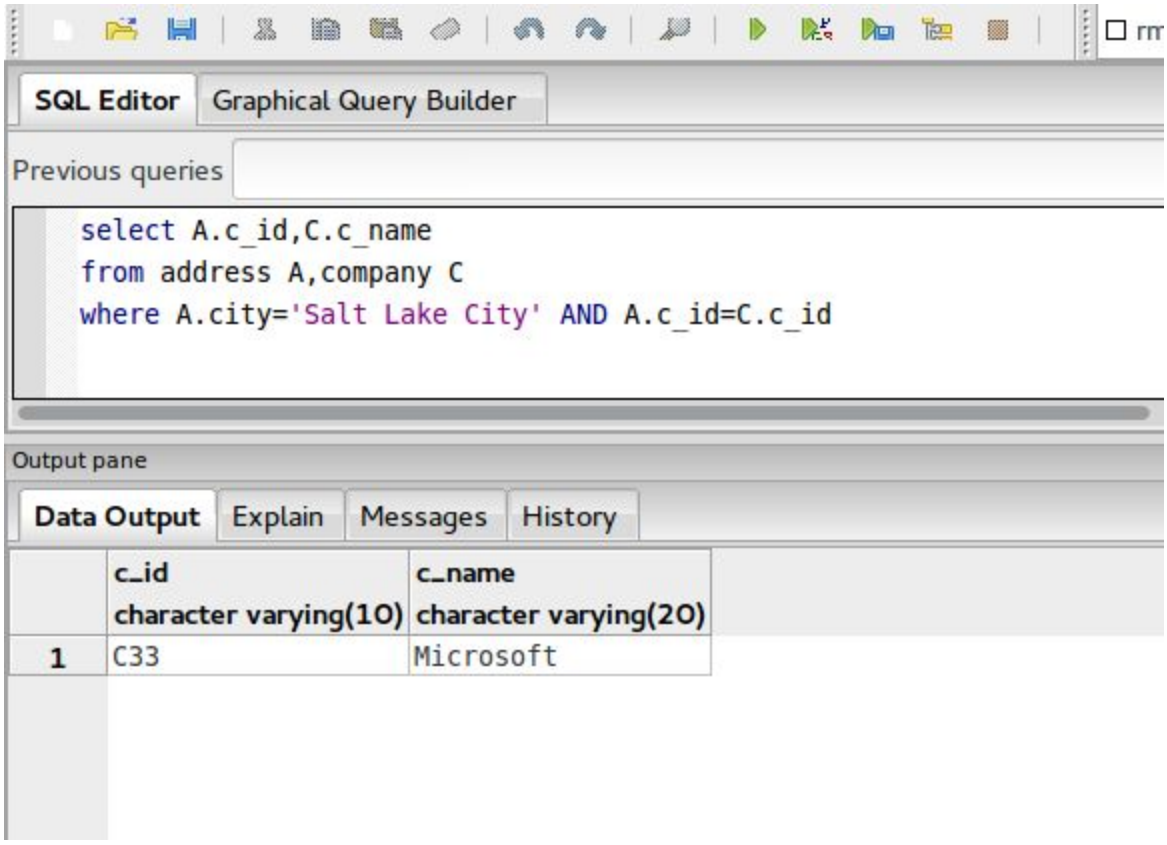
```
select E.emp_id,E.emp_name
from employee E
where E.dept_id IN (select D.dept_id
from department D,company C
where D.dept_type='Human Resources' AND C.c_name='Cakewalk')
```



29 rows returned

11.display the company id and its name which is at salt lake city location

```
select A.c_id,C.c_name
from address A,company C
where A.city='Salt Lake City' AND A.c_id=C.c_id
```

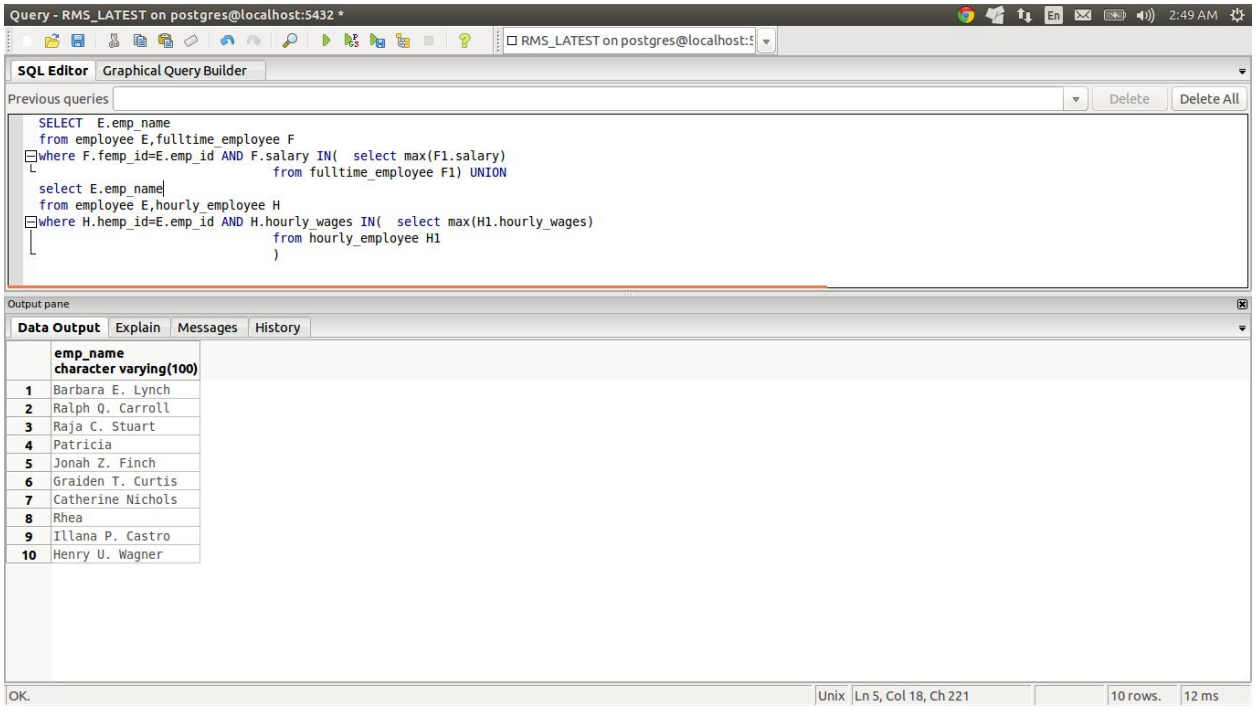


1 row returned

12.display employee names and id with highest salary from full time employee and highest hourly wages from hourly employees.

```
SELECT  E.emp_name
from employee E,fulltime_employee F
where F.femp_id=E.emp_id AND F.salary IN(  select max(F1.salary)
                                from fulltime_employee F1) UNION
select E.emp_name
from employee E,hourly_employee H
where H.hemp_id=E.emp_id AND H.hourly_wages IN(  select
max(H1.hourly_wages)
                                from hourly_employee H1
```

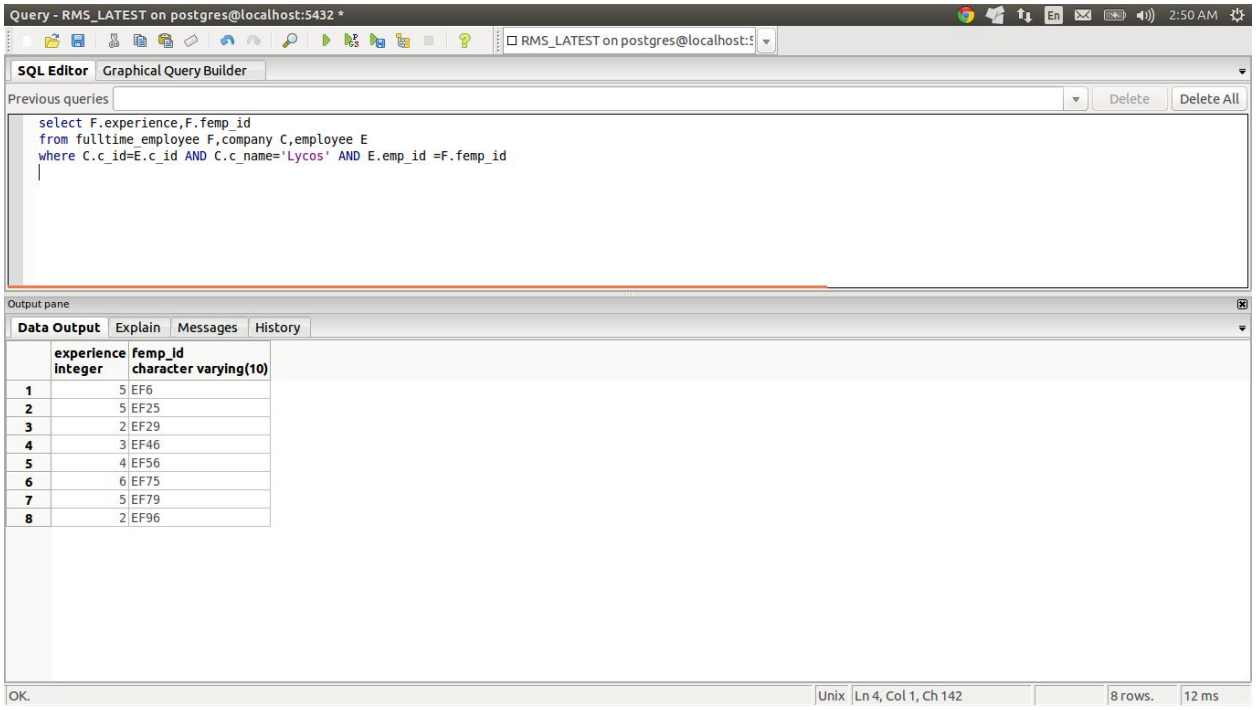
)



10 rows returned

13.display the experience of all full time employee in a lycos

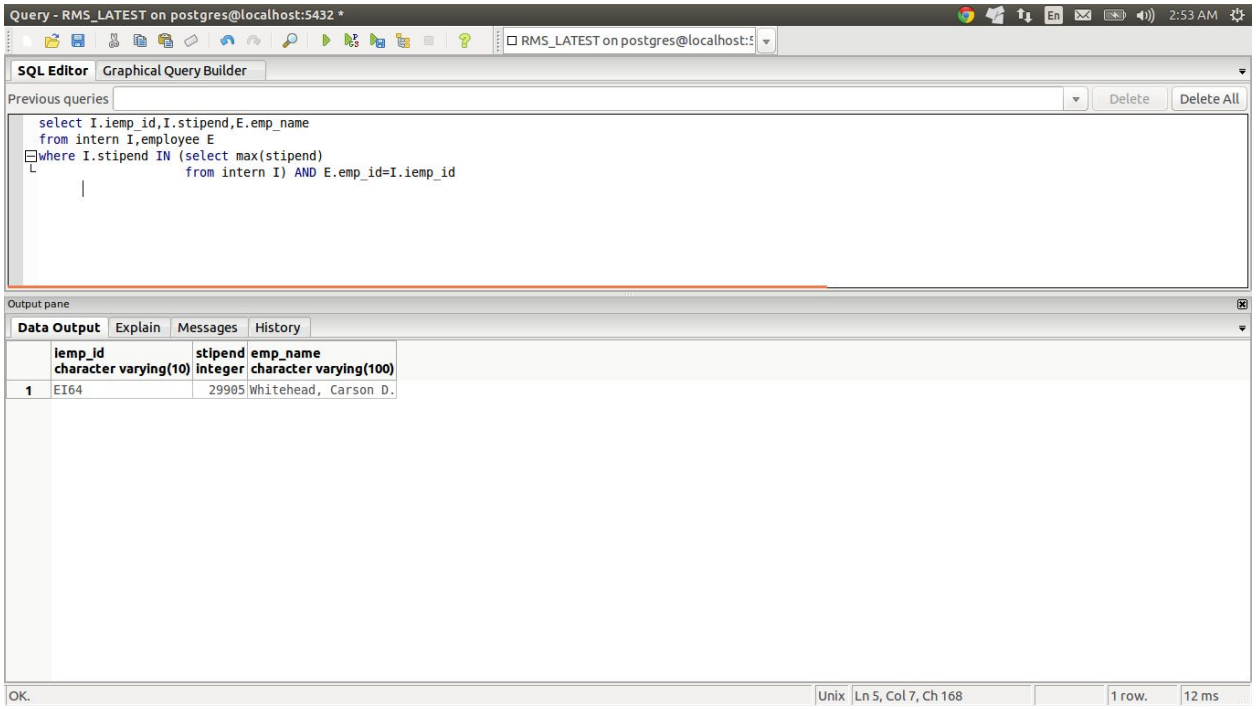
select F.experience,F.femp_id
from fulltime_employee F,company C,employee E
where C.c_id=E.c_id AND C.c_name='Lycos' AND E.emp_id =F.femp_id



8 rows returned

14.Id and name of the intern with highest stipend

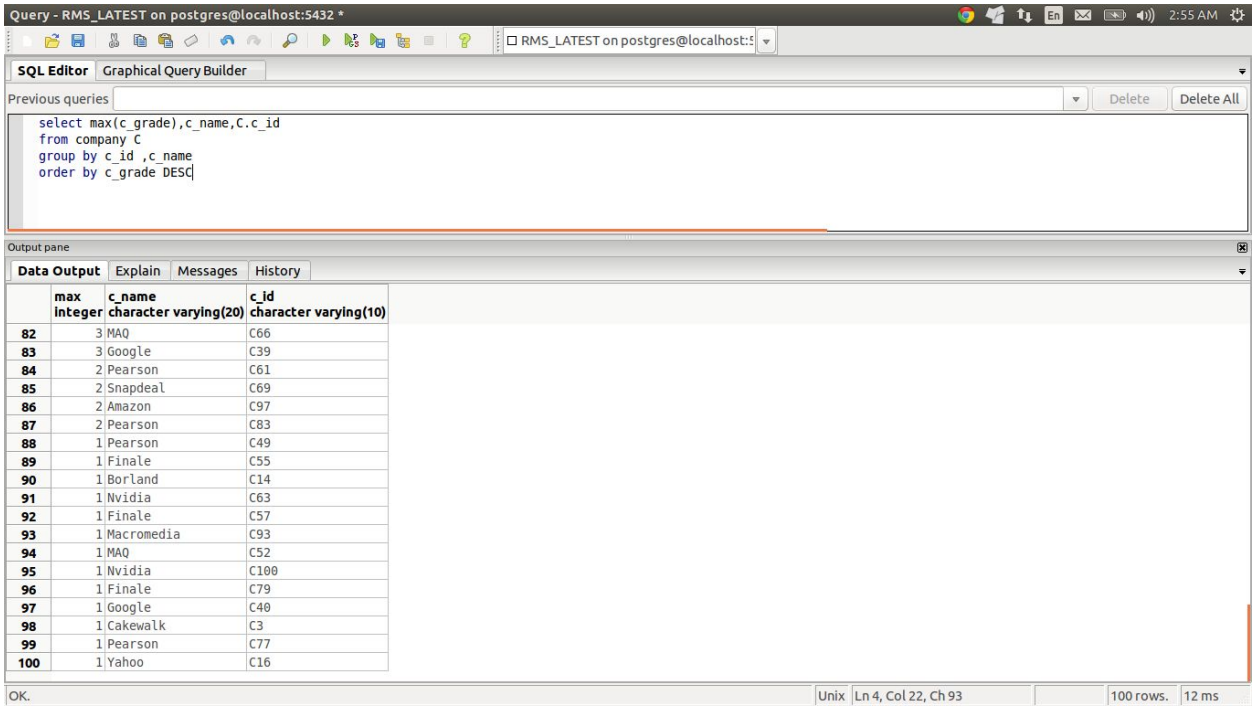
```
select I.iemp_id,I.stipend,E.emp_name
from intern I,employee E
where I.stipend IN (select max(stipend)
                    from intern I) AND E.emp_id=I.iemp_id
```



1 row returned

15.display the company details with grades in desc

```
select max(c_grade),c_name,C.c_id
from company C
group by c_id ,c_name
order by c_grade DESC
```

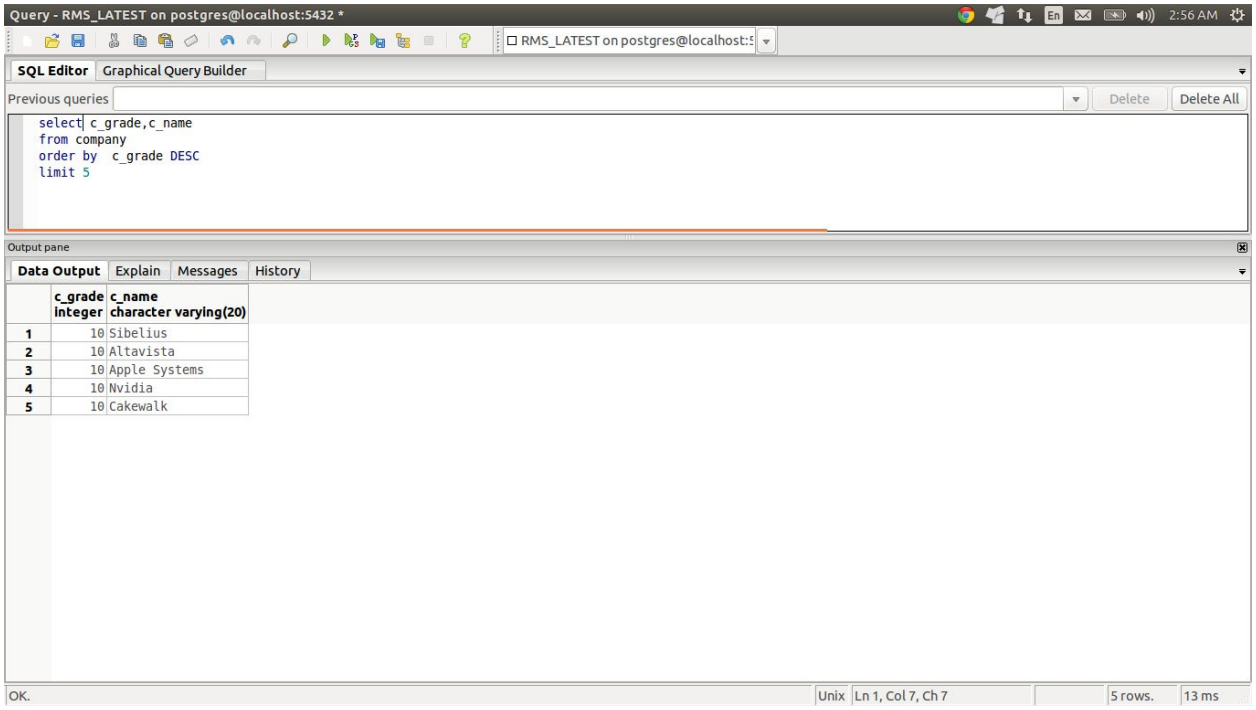


	max integer	c_name character varying(20)	c_id character varying(10)
82	3	MAQ	C66
83	3	Google	C39
84	2	Pearson	C61
85	2	Snapdeal	C69
86	2	Amazon	C97
87	2	Pearson	C83
88	1	Pearson	C49
89	1	Finale	C55
90	1	Borland	C14
91	1	Nvidia	C63
92	1	Finale	C57
93	1	Macromedia	C93
94	1	MAQ	C52
95	1	Nvidia	C100
96	1	Finale	C79
97	1	Google	C40
98	1	Cakewalk	C3
99	1	Pearson	C77
100	1	Yahoo	C16

100 rows returned

16.display the top 5 company details according to desc order of grades

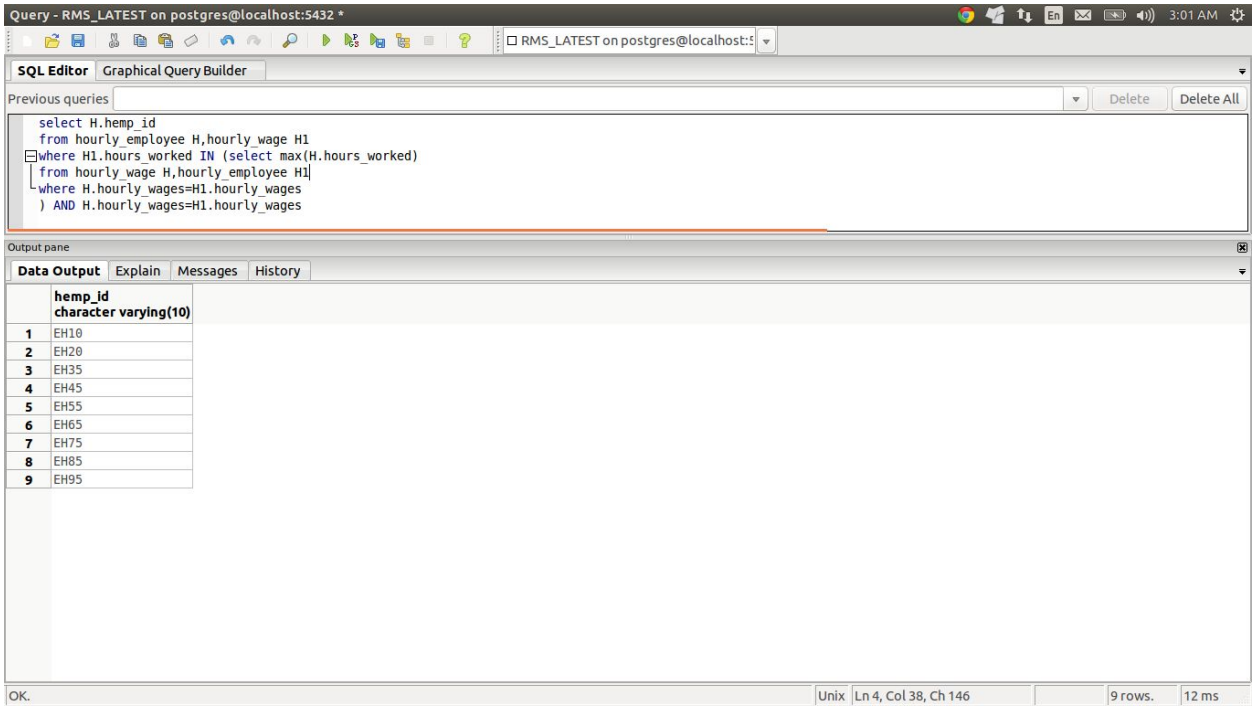
```
select c_grade,c_name
from company
order by  c_grade DESC
limit 5
```



5 rows returned

17.display the employee id with max hours worked

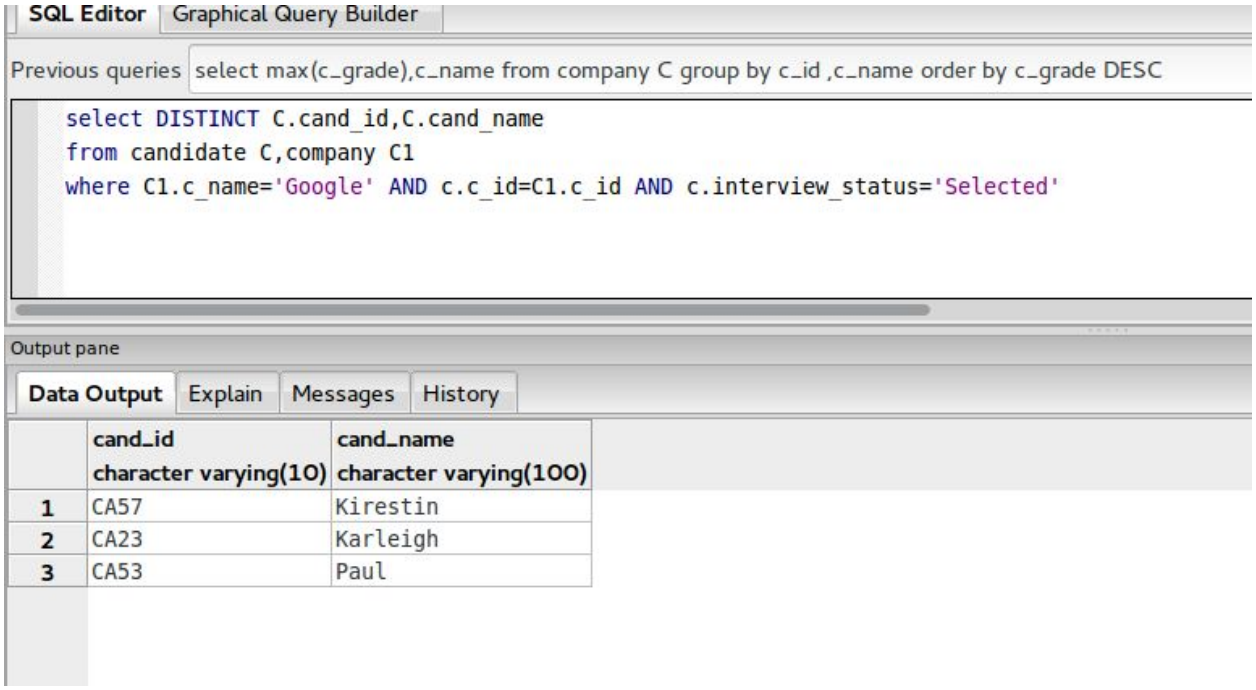
```
select H.hemp_id
from hourly_employee H,hourly_wage H1
where H1.hours_worked IN (select max(H.hours_worked)
from hourly_wage H,hourly_employee H1
where H.hourly_wages=H1.hourly_wages
) AND H.hourly_wages=H1.hourly_wages
```



9 rows returned

18.how many candidates got selected by company(Google)

```
select DISTINCT C.cand_id,C.cand_name
from candidate C,company C1
where C1.c_name='Google' AND c.c_id=C1.c_id AND
c.interview_status='Selected'
```



3 rows returned

19.list the cand_id and cand_name selected by google or yahoo

```
select DISTINCT C.cand_id,C.cand_name
from candidate C,company C1
where C1.c_name='Google' AND C.c_id=C1.c_id AND
C.interview_status='Selected'
UNION
 (select DISTINCT C.cand_id,C.cand_name
from candidate C,company C1
where C1.c_name='Yahoo' AND C.c_id=C1.c_id AND
C.interview_status='Selected')
```

Previous queries: select max(c_grade),c_name from company C group by c_id ,c_name order by c_grade DESC

```
select DISTINCT C.cand_id,C.cand_name
from candidate C,company C1
where C1.c_name='Google' AND C.c_id=C1.c_id AND C.interview_status='Selected'
UNION
(select DISTINCT C.cand_id,C.cand_name
from candidate C,company C1
where C1.c_name='Yahoo' AND C.c_id=C1.c_id AND C.interview_status='Selected')
```

Output pane

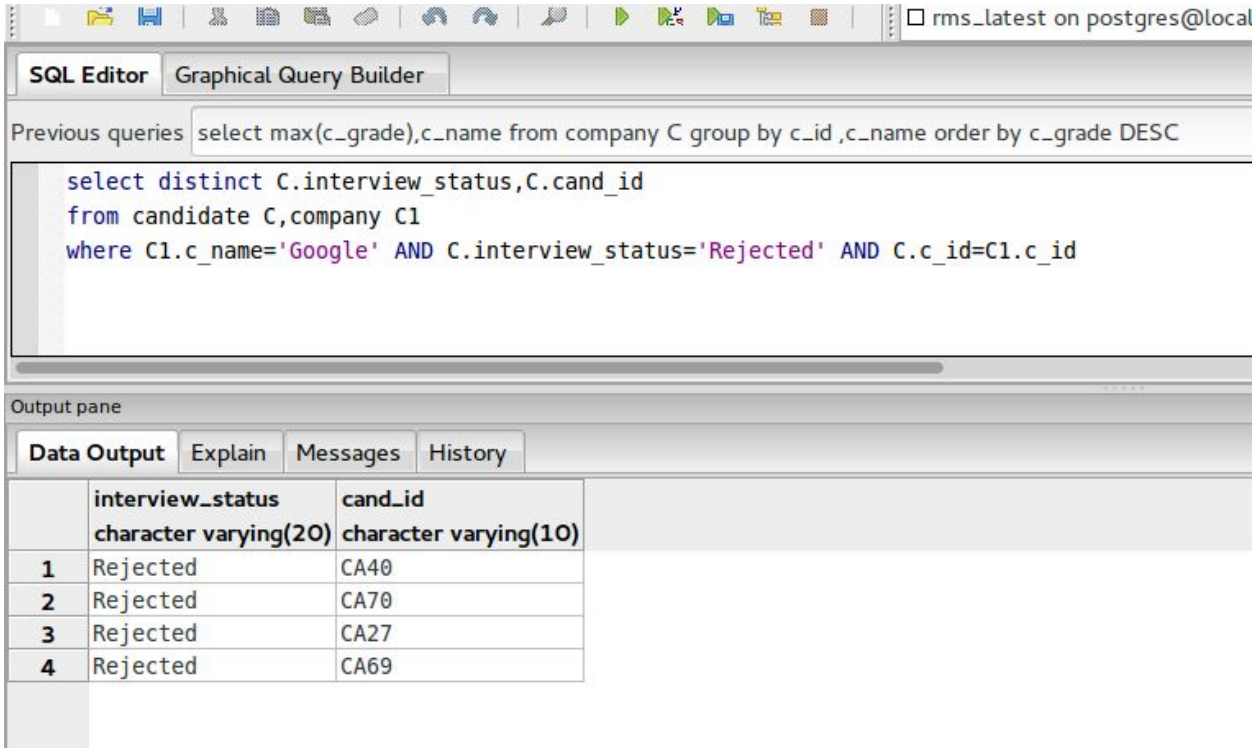
Data Output | Explain | Messages | History

	cand_id character varying(10)	cand_name character varying(100)
1	CA23	Karleigh
2	CA4	Xena
3	CA41	Edward
4	CA53	Paul
5	CA57	Kirestin
6	CA62	Cameran
7	CA74	Kalia
8	CA96	Madeson

8 rows returned

20.candidates rejected by google company

```
select distinct C.interview_status,C.cand_id
from candidate C,company C1
where C1.c_name='Google' AND C.interview_status='Rejected' AND
C.c_id=C1.c_id
```



	interview_status character varying(20)	cand_id character varying(10)
1	Rejected	CA40
2	Rejected	CA70
3	Rejected	CA27
4	Rejected	CA69

4 rows returned

21.candidate kept on process by Yahoo company

select distinct C.interview_status,C.cand_id
from candidate C,company C1
where C1.c_name='Yahoo' AND C.interview_status='On Process' AND C.c_id=C1.c_id

SQL Editor | Graphical Query Builder

Previous queries: select max(c_grade),c_name from company C group by c_id ,c_name order by c_grade DESC

```
select distinct C.interview_status,C.cand_id
from candidate C,company C1
where C1.c_name='Yahoo' AND C.interview_status='On Process' AND C.c_id=C1.c_id
```

Output pane

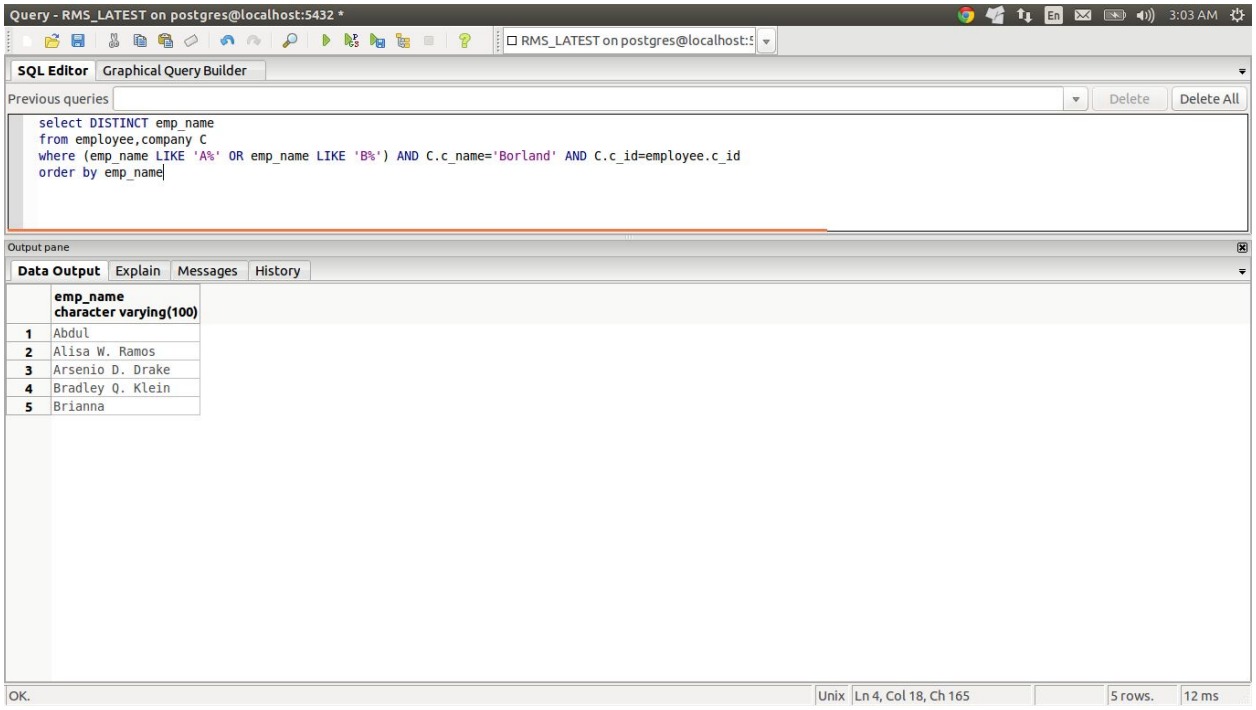
Data Output | Explain | Messages | History

	interview_status character varying(20)	cand_id character varying(10)
1	On Process	CA16
2	On Process	CA54
3	On Process	CA86

3 rows returned

22.List employee name in alphabetical order with name starting with ‘A’ OR ‘B’ in Borland

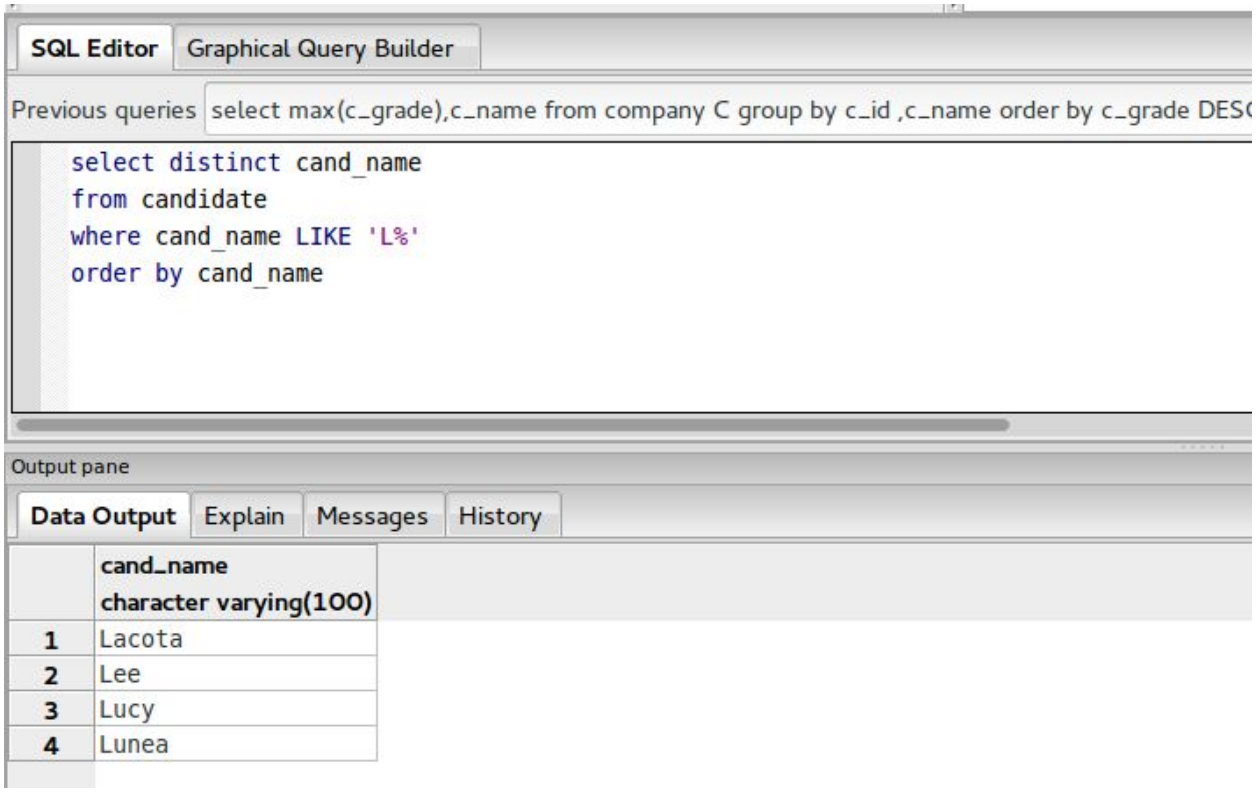
```
select DISTINCT emp_name
from employee,company C
where (emp_name LIKE 'A%' OR emp_name LIKE 'B%') AND
C.c_name='Borland' AND C.c_id=employee.c_id
order by emp_name
```



5 **rows returned**

23.list candidate name starting with ‘L’

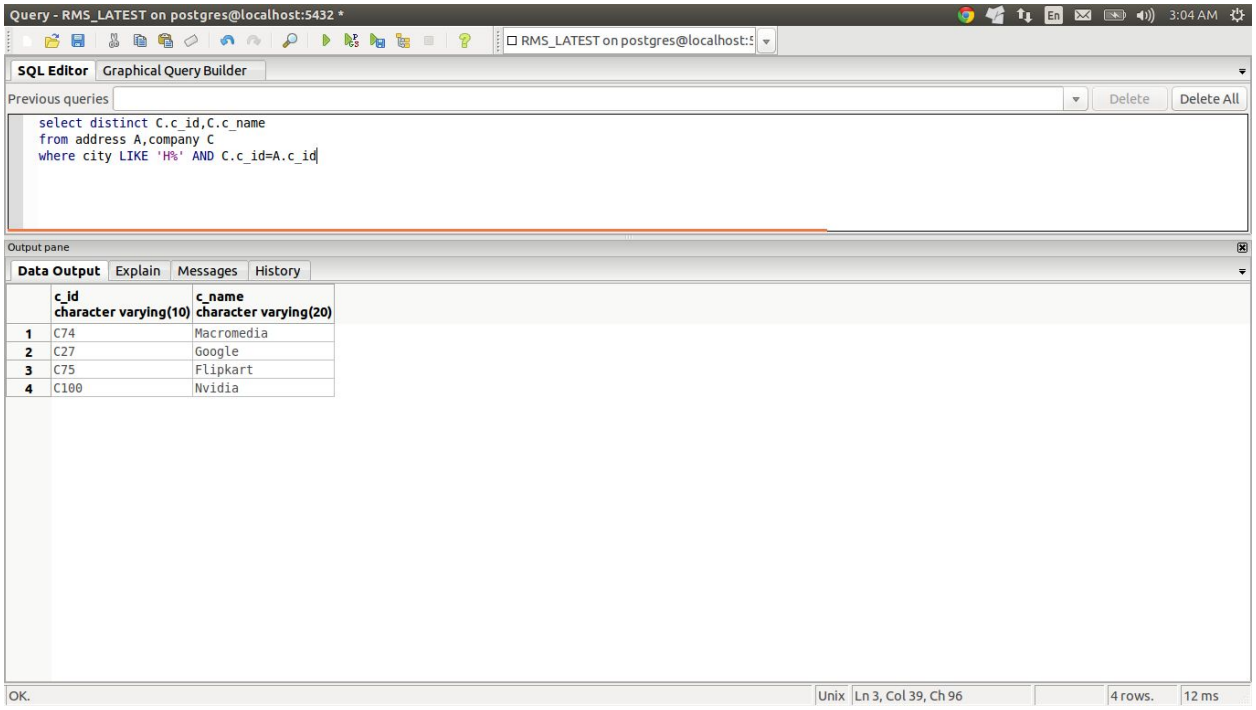
```
select  distinct cand_name
from candidate
where cand_name LIKE 'L%'
order by cand_name
```



4 rows returned

24.List companies with their addresses starting with ‘H’

```
select distinct C.c_id,C.c_name
from address A,company C
where city LIKE 'H%' AND C.c_id=A.c_id
```



4 rows returned

25.List intern with names ending with ‘a’

```
select E.emp_name
   from intern B,employee E
   where B.iemp_id=E.emp_id AND E.emp_name LIKE '%a'
```

Previous queries | select max(c_grade),c_name from company C group by c_id ,c

```
select E.emp_name
     from intern B,employee E
     where B.iemp_id=E.emp_id AND E.emp_name LIKE '%a'
```

Output pane

Data Output | Explain | Messages | History

	emp_name character varying(100)
1	Serena
2	Bertha
3	Galena
4	Cynthia
5	Zephania
6	Francesca
7	Idola
8	Carissa
9	Brianna
10	Joshua

10 rows returned

26.List candidates born before 2000.

```
select C.cand_name
 from candidate C
where TO_CHAR(C.dob,'YYYY') <'2000'
```

```
select C.cand_name
  from candidate C
where TO_CHAR(C.dob,'YYYY') <'2000'
```

Output pane

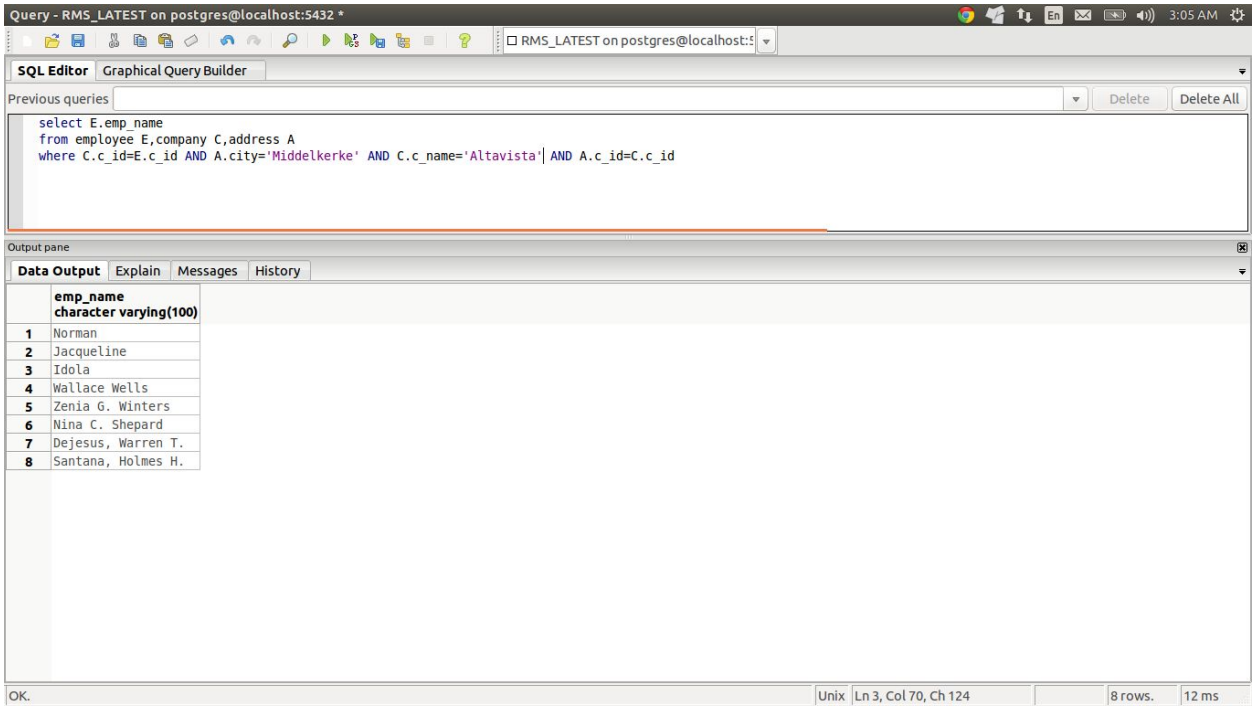
Data Output | Explain | Messages | History

	cand_name character varying(100)
11	Molly
12	Emily
13	Sylvia
14	Lacota
15	Paul
16	Aurelia
17	Dillon
18	Cameran
19	Willow
20	Branden
21	Ava
22	Vernon
23	Baxter
24	Bert
25	Madeson
26	Shelby
27	Diana

27 rows returned

27.display employee detail who are working in altavista located in middelkerke

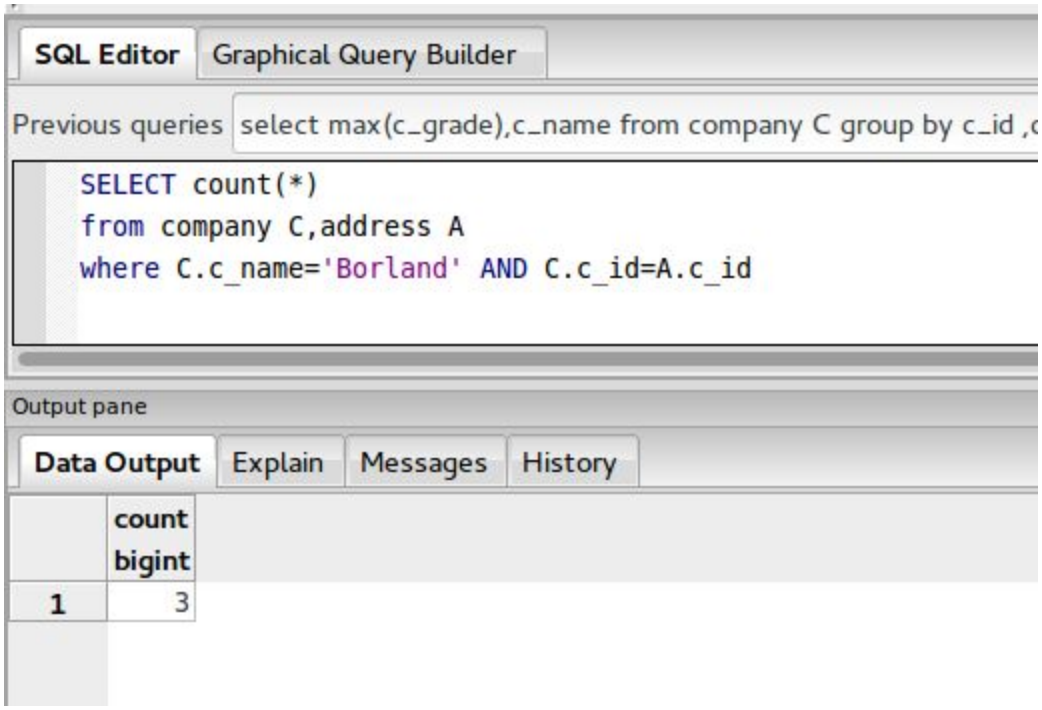
select E.emp_name
from employee E,company C,address A
where C.c_id=E.c_id AND A.city=’Middelkerke’ AND C.c_name=’Altavista’ AND A.c_id=C.c_id



8 rows returned

28.Count the number of locations where company borland is situated.

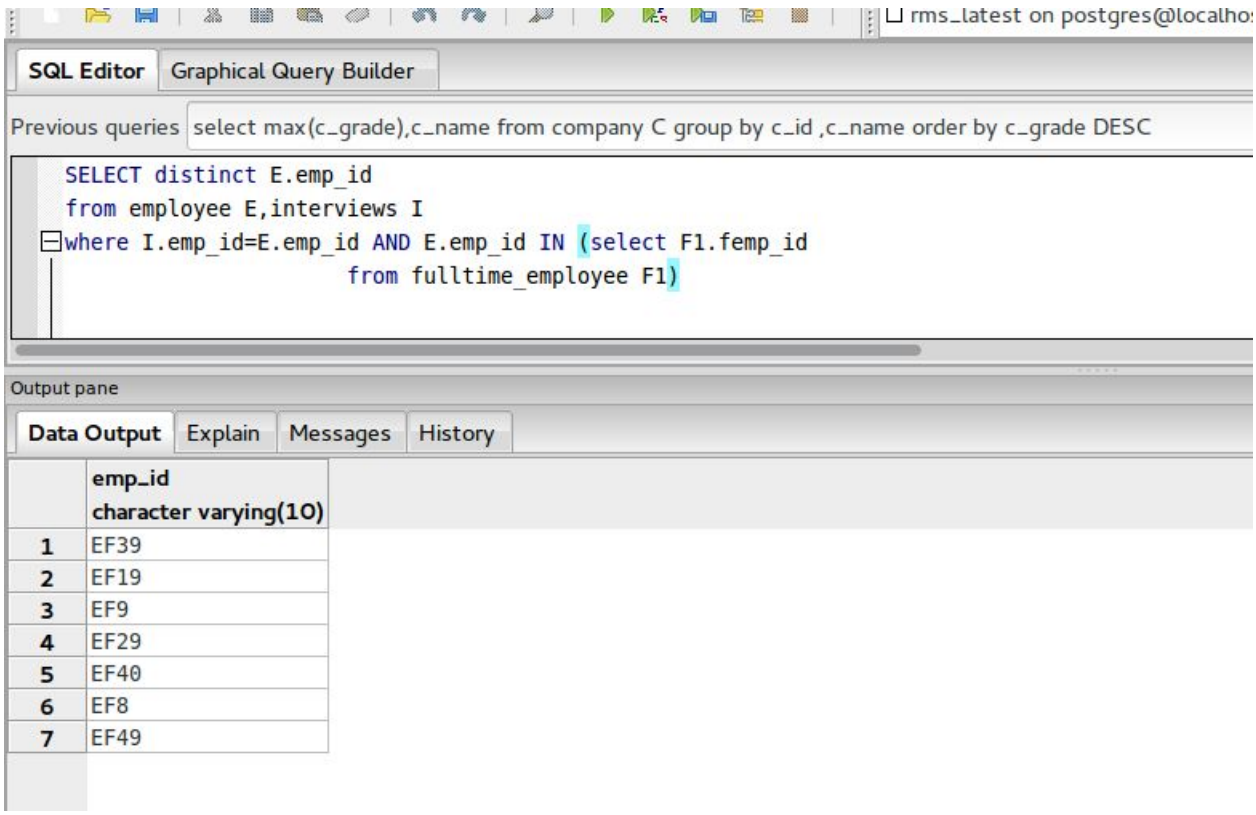
```
select count(*)
from company C,address A
where C.c_name=’Borland’ AND C.c_id=A.c_id
```



1 rows returned

29. Count the number of full time employees working in HR department who have interviewed candidates.

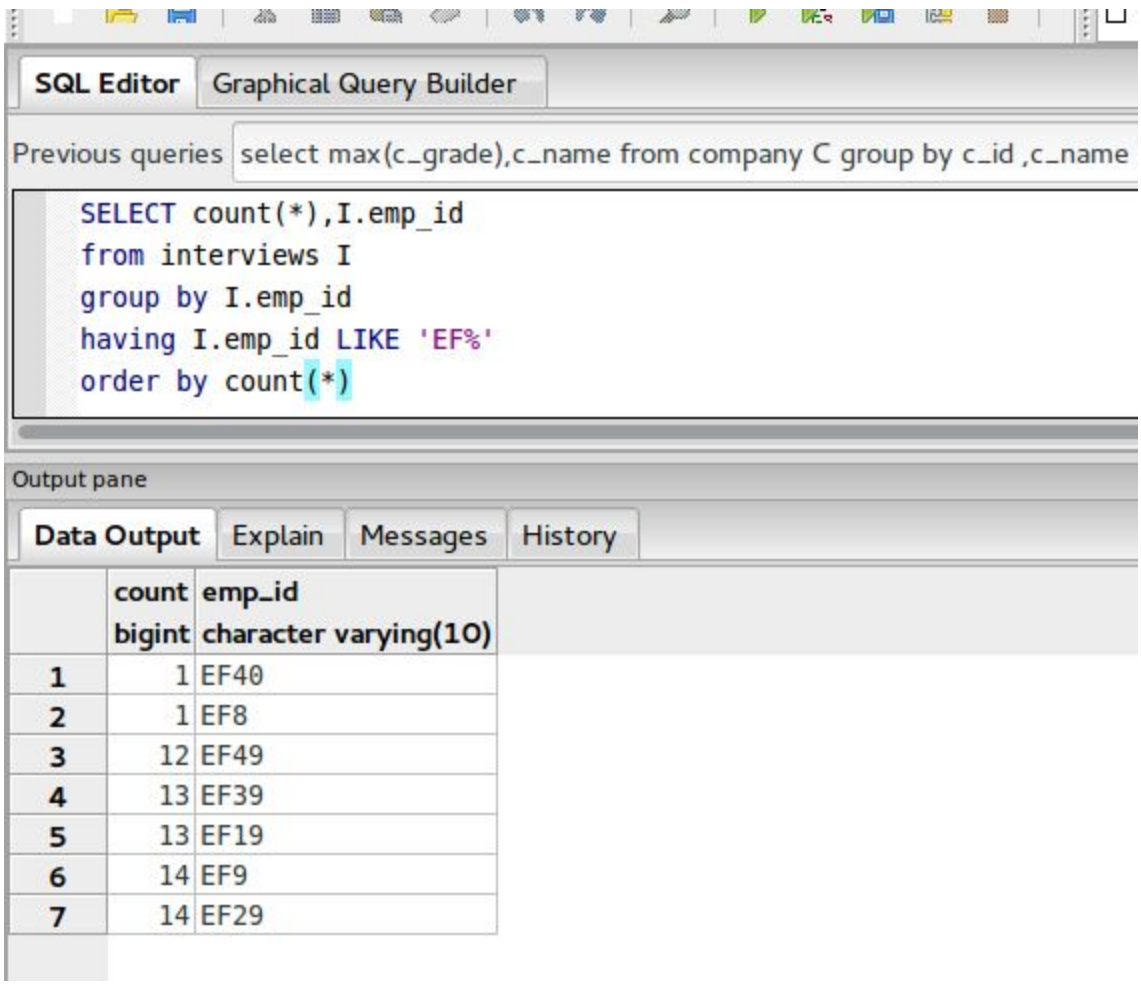
```
select distinct E.emp_id
from employee E,interviews I
where I.emp_id=E.emp_id AND E.emp_id IN (select F1.femp_id
                                         from fulltime_employee F1
                                         )
```



7 rows returned

30.Display corresponding number of candidates interviewed by HR employees and HR employees must be full time employees. (order should be displayed in ascending)

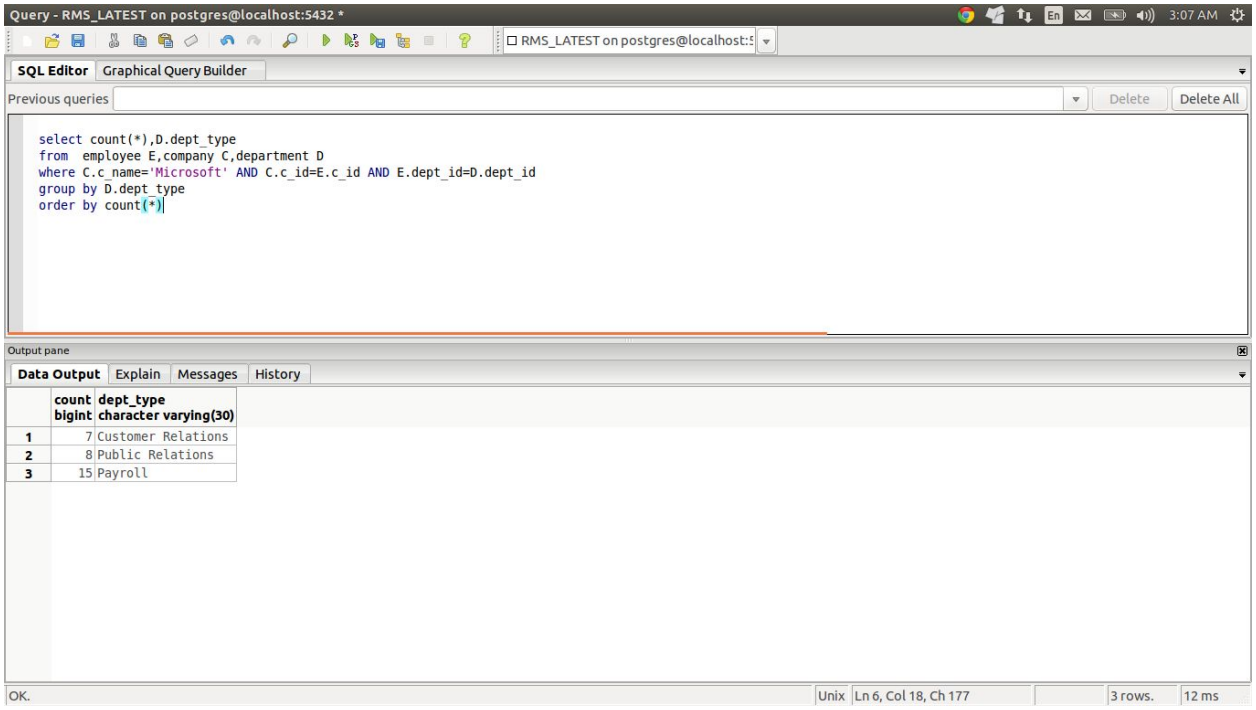
```
select count(*),I.emp_id
from interviews I
group by I.emp_id
having I.emp_id LIKE 'EF%'
order by count(*)
```



7 rows returned

31.Display corresponding number of employees working in respective departments in Microsoft.(ascending order of their counts)

```
select count(*),D.dept_type
from  employee E,company C,department D
where C.c_name='Microsoft' AND C.c_id=E.c_id AND E.dept_id=D.dept_id
group by D.dept_type
order by count(*)
```



3 rows returned

32.Display count of rejections from each company

```
select count(*),C.c_name
from  candidate A,company C
where A.c_id=C.c_id AND A.interview_status='Rejected'
group by C.c_name
order by count(*)
```

Previous queries | select max(c_grade),c_name from company C group by c_id ,c_name order by

```
SELECT   count(*),C.c_name
from  candidate A,company C
where A.c_id=C.c_id AND A.interview_status='Rejected'
group by C.c_name
order by count(*)
```

Output pane

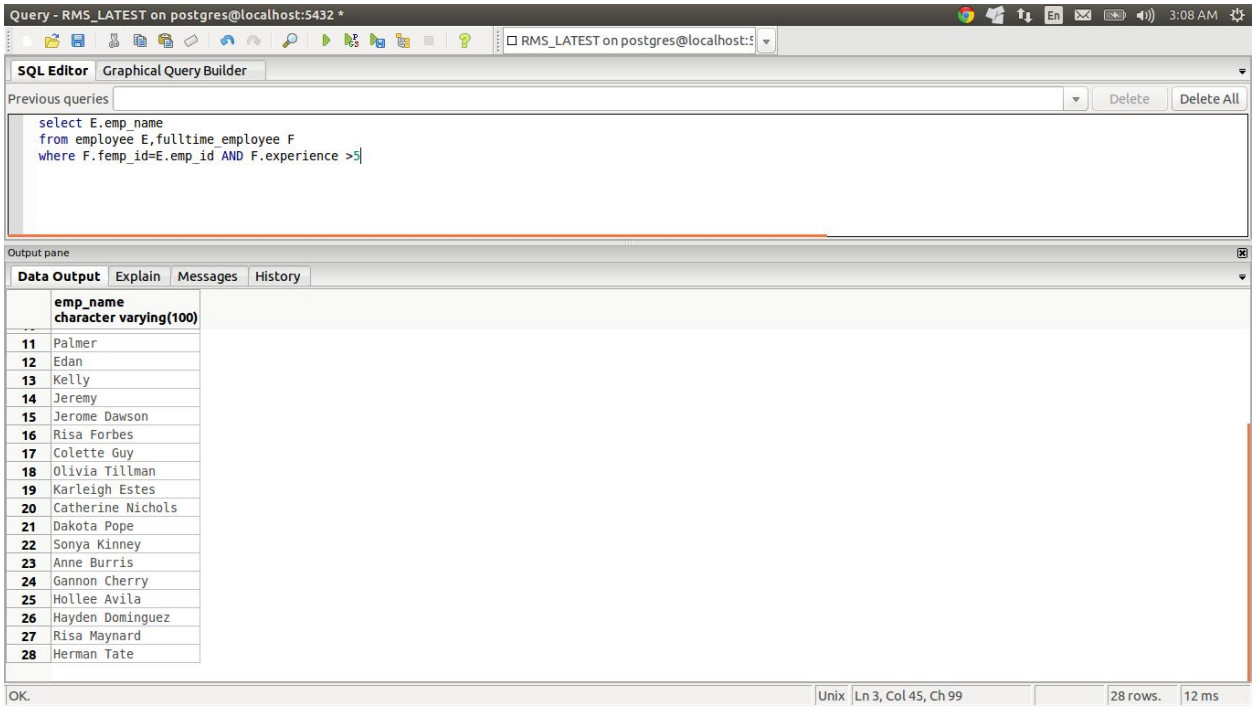
Data Output | Explain | Messages | History

	count bigint	c_name character varying(20)
1	1	Lavasoft
2	1	Apple Systems
3	2	Borland
4	2	Sibelius
5	2	Adobe
6	2	Chami
7	2	Altavista
8	4	Microsoft
9	4	Google
10	5	Lycos
11	5	Yahoo
12	6	Cakewalk

12 rows returned

33.Display names of most experienced employee (experience >5)

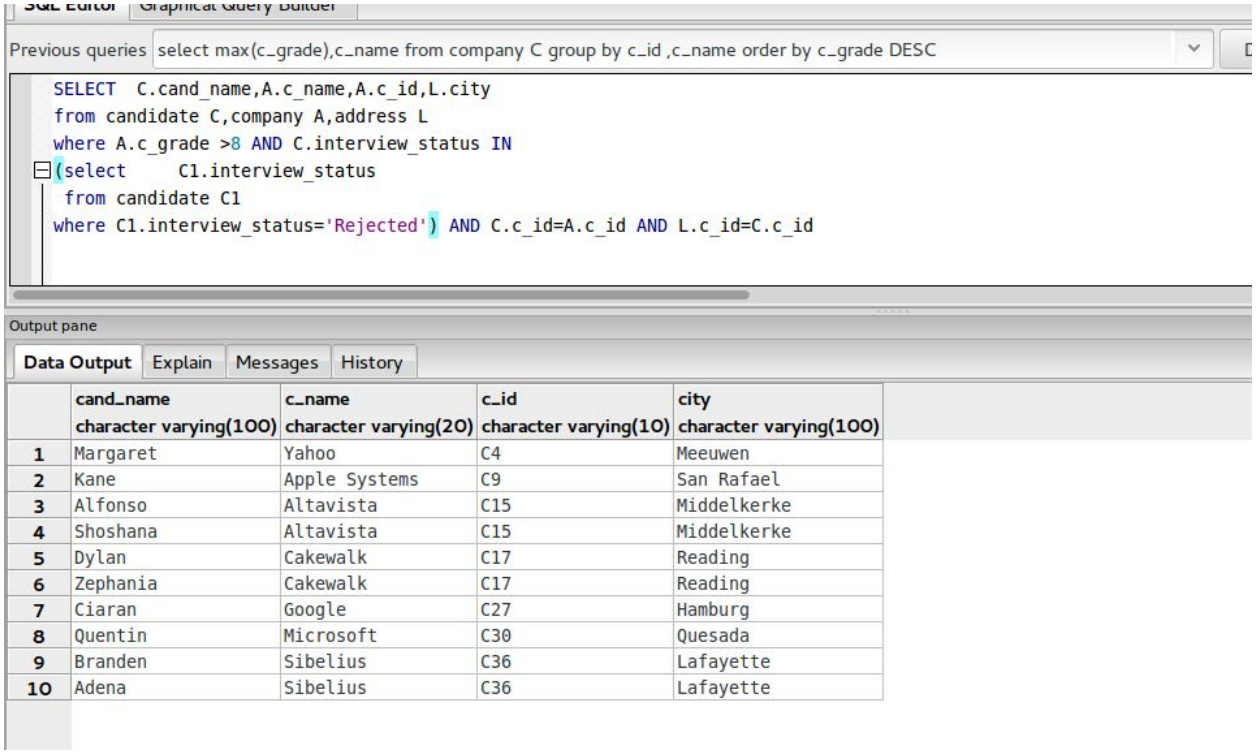
```
select E.emp_name
from employee E,fulltime_employee F
where F.femp_id=E.emp_id AND F.experience >5
```



28 rows returned

34.How many candiates have appllied for company having grade greater than 8 and got rejected. (Be detailed in showing results like displaying even the company details)

```
select C.cand_name,A.c_name,A.c_id,L.city
from candidate C,company A,address L
where A.c_grade >8 AND C.interview_status IN
(select     C1.interview_status
 from candidate C1
where C1.interview_status='Rejected')
                                        AND C.c_id=A.c_id AND L.c_id=C.c_id
```



	cand_name character varying(100)	c_name character varying(20)	c_id character varying(10)	city character varying(100)
1	Margaret	Yahoo	C4	Meeuwen
2	Kane	Apple Systems	C9	San Rafael
3	Alfonso	Altavista	C15	Middelkerke
4	Shoshana	Altavista	C15	Middelkerke
5	Dylan	Cakewalk	C17	Reading
6	Zephania	Cakewalk	C17	Reading
7	Ciaran	Google	C27	Hamburg
8	Quentin	Microsoft	C30	Quesada
9	Branden	Sibelius	C36	Lafayette
10	Adena	Sibelius	C36	Lafayette

10 rows returned

35.Display corresponding number of candidates interviewed by HR employees

```
select count(*),I.emp_id
from interviews I
group by I.emp_id
order by count(*)
```

SQL Editor | Graphical Query Builder

Previous queries: select max(c_grade),c_name from company C group by c_id ,c_name

```
SELECT count(*),I.emp_id
from interviews I
group by I.emp_id
order by count(*)
```

Output pane

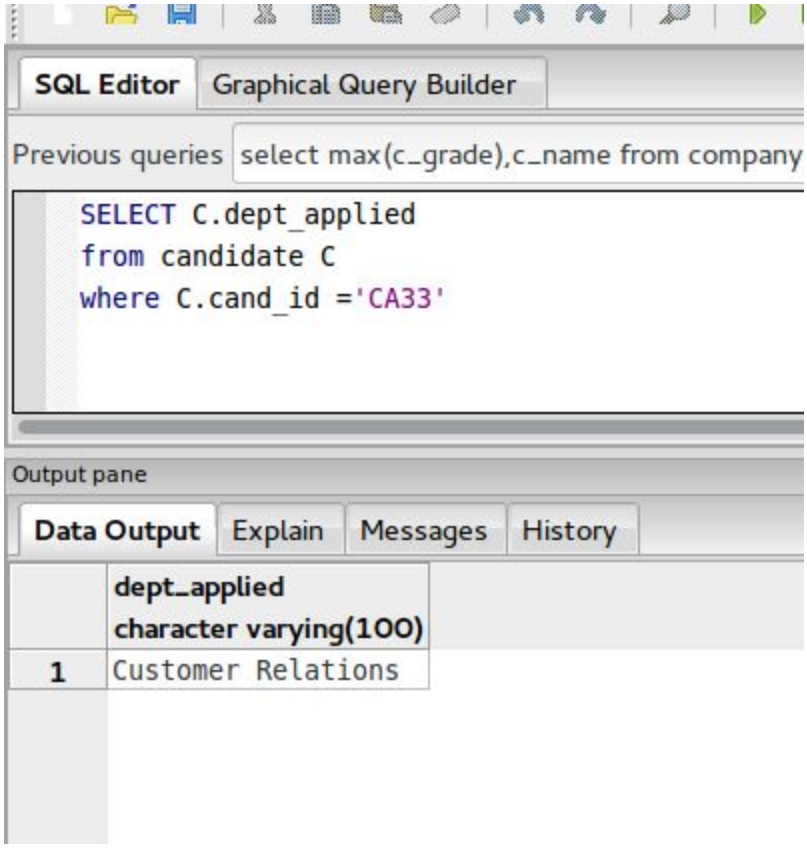
Data Output | Explain | Messages | History

	count bigint	emp_id character varying(10)
1	1	EF8
2	1	EF40
3	12	EF49
4	13	EF39
5	13	EF19
6	14	EF29
7	14	EF9
8	16	EH19
9	16	EH9

9 rows returned

36.display the department applied by “CA33”

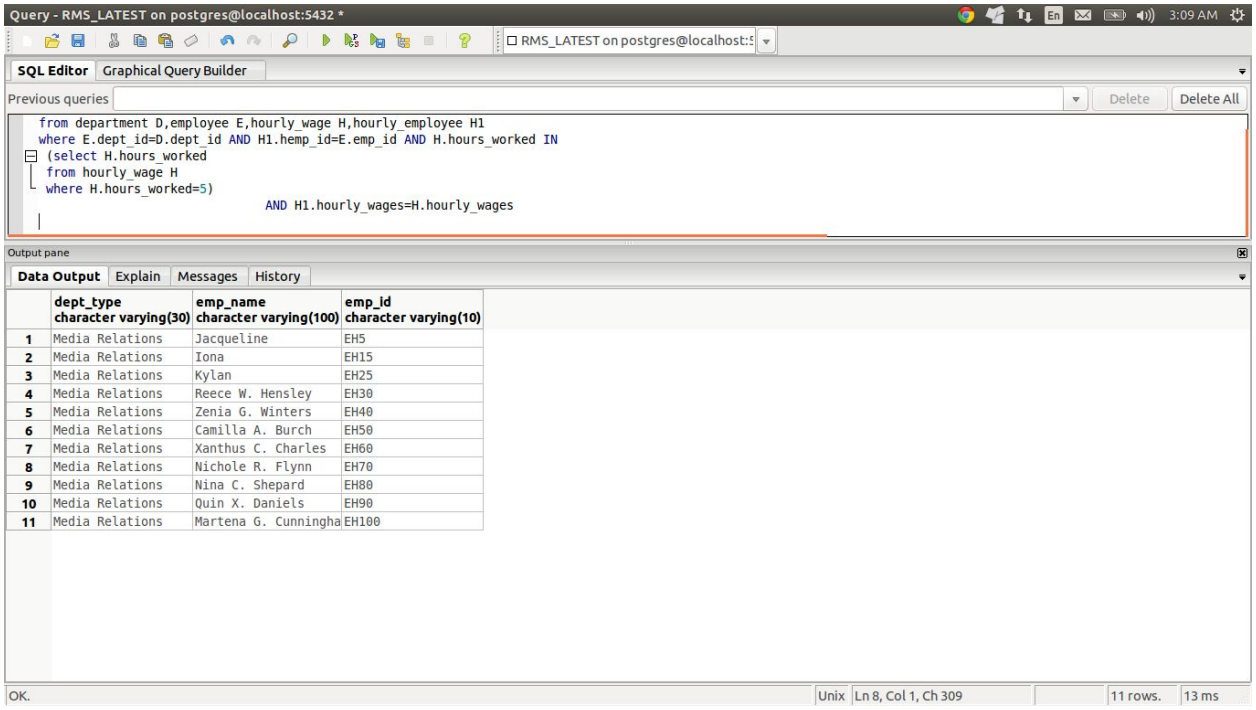
```
select C.dept_applied
from candidate C
where C.cand_id ='CA33'
```



1 row returned

37.List the departments where there are some employees who work only for 5 hours. (display with employee names)

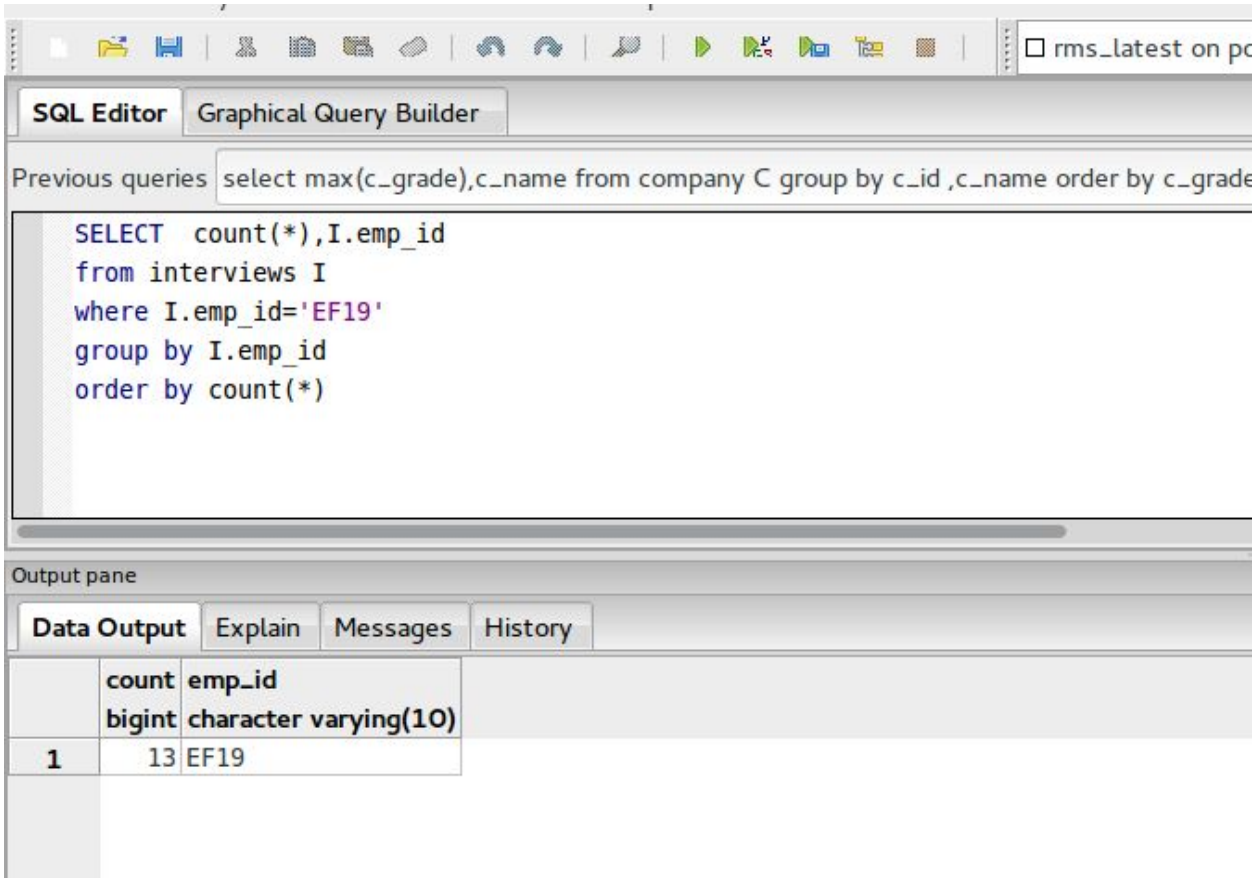
```
select D.dept_type,E.emp_name,E.emp_id
from department D,employee E,hourly_wage H,hourly_employee H1
where E.dept_id=D.dept_id AND H1.hemp_id=E.emp_id AND
H.hours_worked IN
 (select H.hours_worked
 from hourly_wage H
 where H.hours_worked=5)
                        AND H1.hourly_wages=H.hourly_wages
```



11 rows returned

38. How many candidates did HR employee with ID ‘EF19’ interviewed

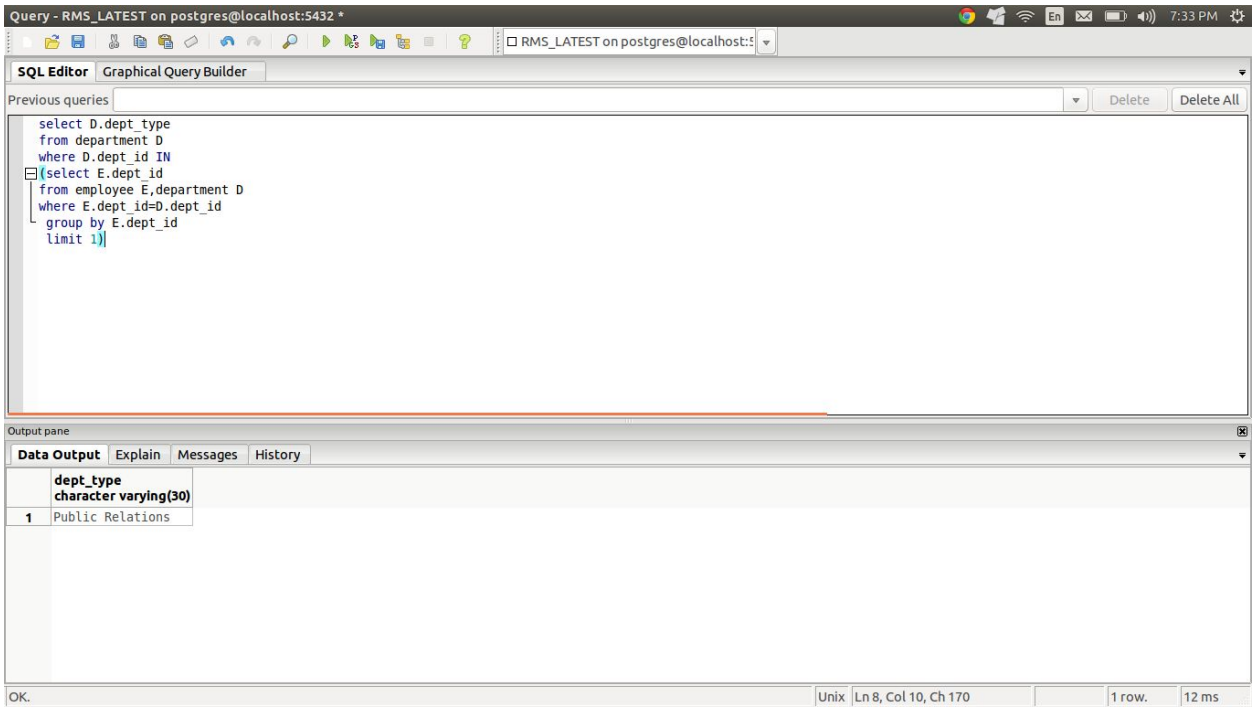
```
select count(*),I.emp_id
from interviews I
where I.emp_id='EF19'
group by I.emp_id
order by count(*)
```



1 row returned

39) Name the Department having maximum number of employees.

```
select D.dept_type
from department D
where D.dept_id IN
(select E.dept_id
from employee E,department D
where E.dept_id=D.dept_id
 group by E.dept_id
 limit 1)
```



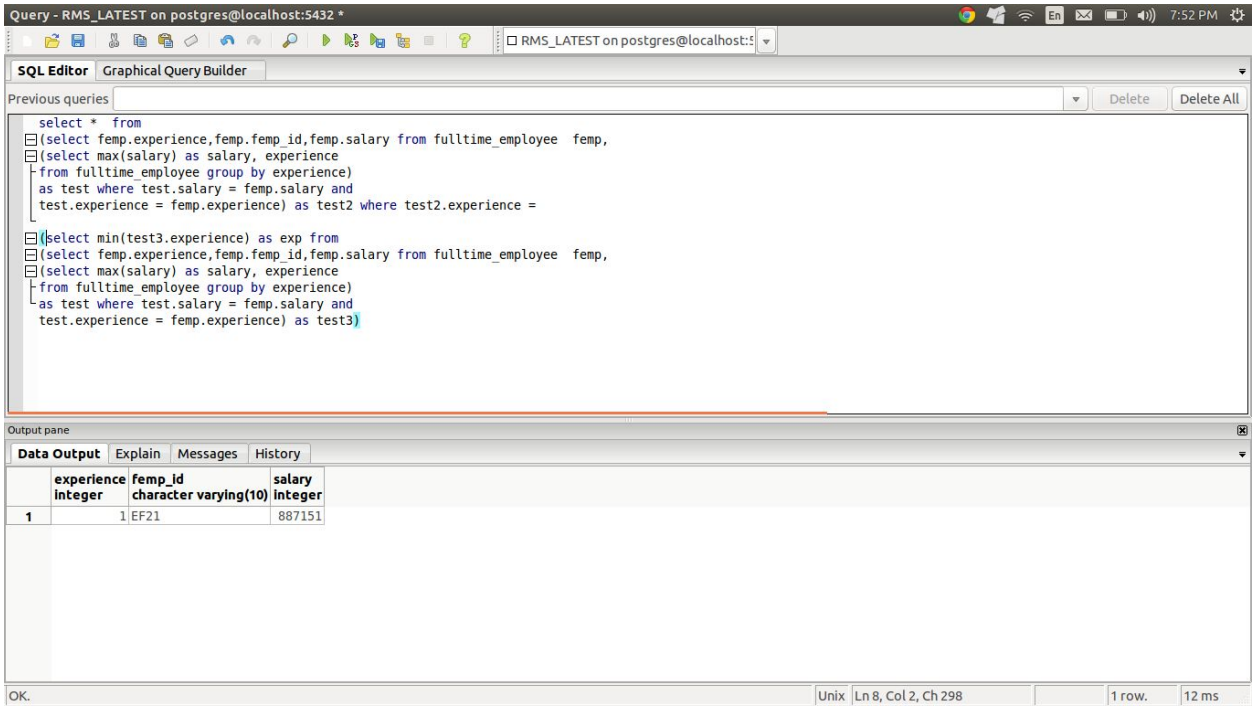
1 row returned

40. Pick a talented employee (Talented in the sense less experience but having high salary)

```
select *  from
(select femp.experience,femp.femp_id,femp.salary from fulltime_employee
femp,
(select max(salary) as salary, experience
from fulltime_employee group by experience)
as test where test.salary = femp.salary and
test.experience = femp.experience) as test2 where test2.experience =

(select min(test3.experience) as exp from
```

(select femp.experience,femp.femp_id,femp.salary from fulltime_employee femp,
(select max(salary) as salary, experience
from fulltime_employee group by experience)
as test where test.salary = femp.salary and
test.experience = femp.experience) as test3)



1 row returned