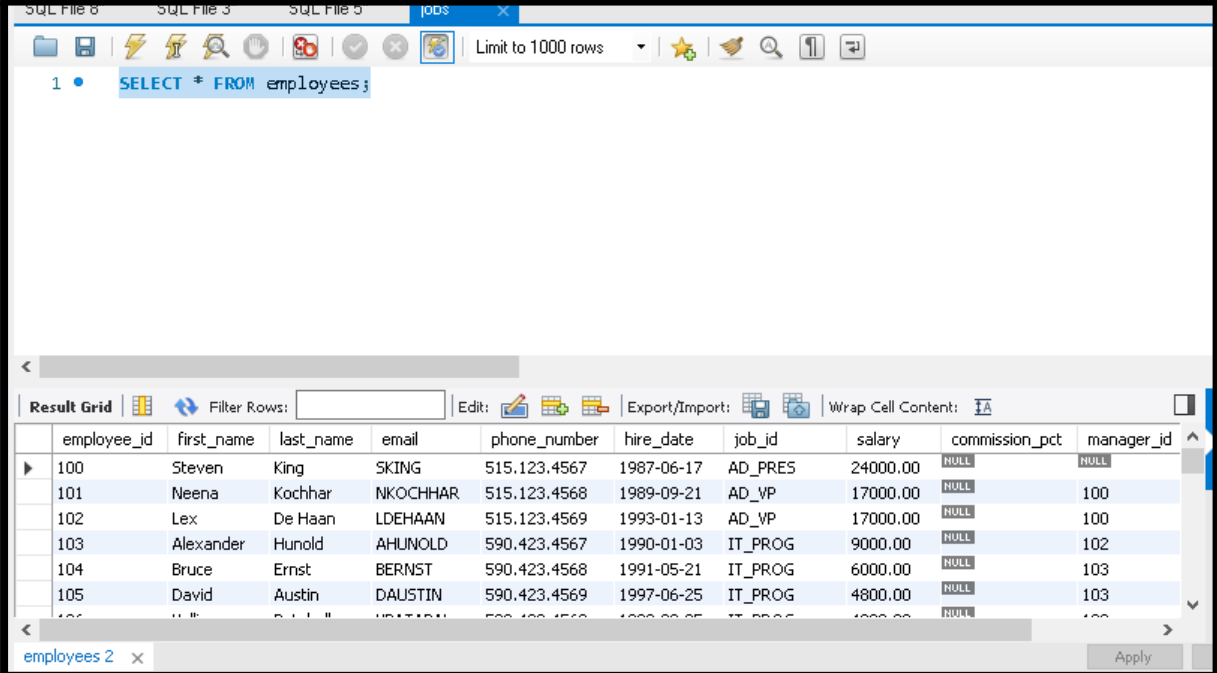


1. From the following table return complete information about the employees.

SELECT \* FROM employees;

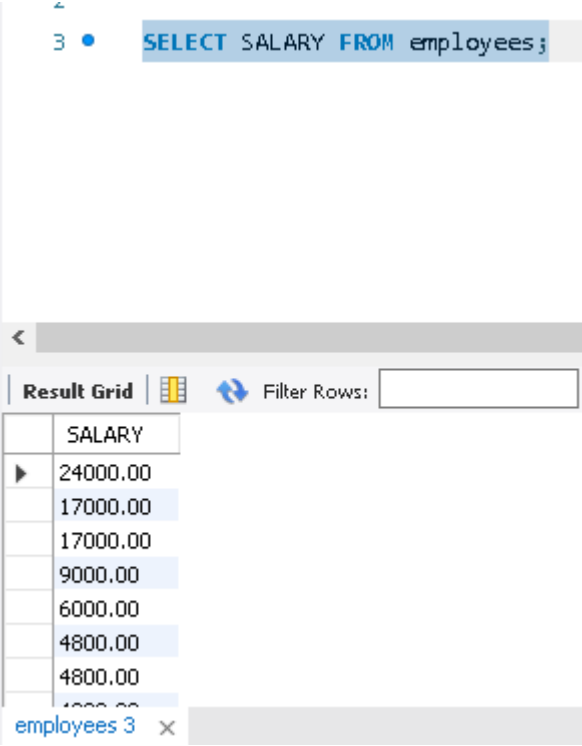


The screenshot shows the SQL Developer interface with a query window titled 'jobs' containing the query `SELECT * FROM employees;`. Below the query, the 'Result Grid' displays the following data:

employee_id	first_name	last_name	email	phone_number	hire_date	job_id	salary	commission_pct	manager_id
100	Steven	King	SKING	515.123.4567	1987-06-17	AD_PRES	24000.00	NULL	NULL
101	Neena	Kochhar	NKOCHHAR	515.123.4568	1989-09-21	AD_VP	17000.00	NULL	100
102	Lex	De Haan	LDEHAAN	515.123.4569	1993-01-13	AD_VP	17000.00	NULL	100
103	Alexander	Hunold	AHUNOLD	590.423.4567	1990-01-03	IT_PROG	9000.00	NULL	102
104	Bruce	Ernst	BERNST	590.423.4568	1991-05-21	IT_PROG	6000.00	NULL	103
105	David	Austin	DAUSTIN	590.423.4569	1997-06-25	IT_PROG	4800.00	NULL	103

2. From the following table, write a SQL query to find the salaries of all employees. Return salary.

SELECT SALARY FROM employees;



The screenshot shows the SQL Developer interface with a query window titled 'employees 3' containing the query `SELECT SALARY FROM employees;`. Below the query, the 'Result Grid' displays the following data:

SALARY
24000.00
17000.00
17000.00
9000.00
6000.00
4800.00
4800.00

3. From the following table, write a SQL query to find the unique designations of the employees. Return job name.

The screenshot shows a SQL query editor with the following content:

```
2  
3 • select job_title from jobs
```

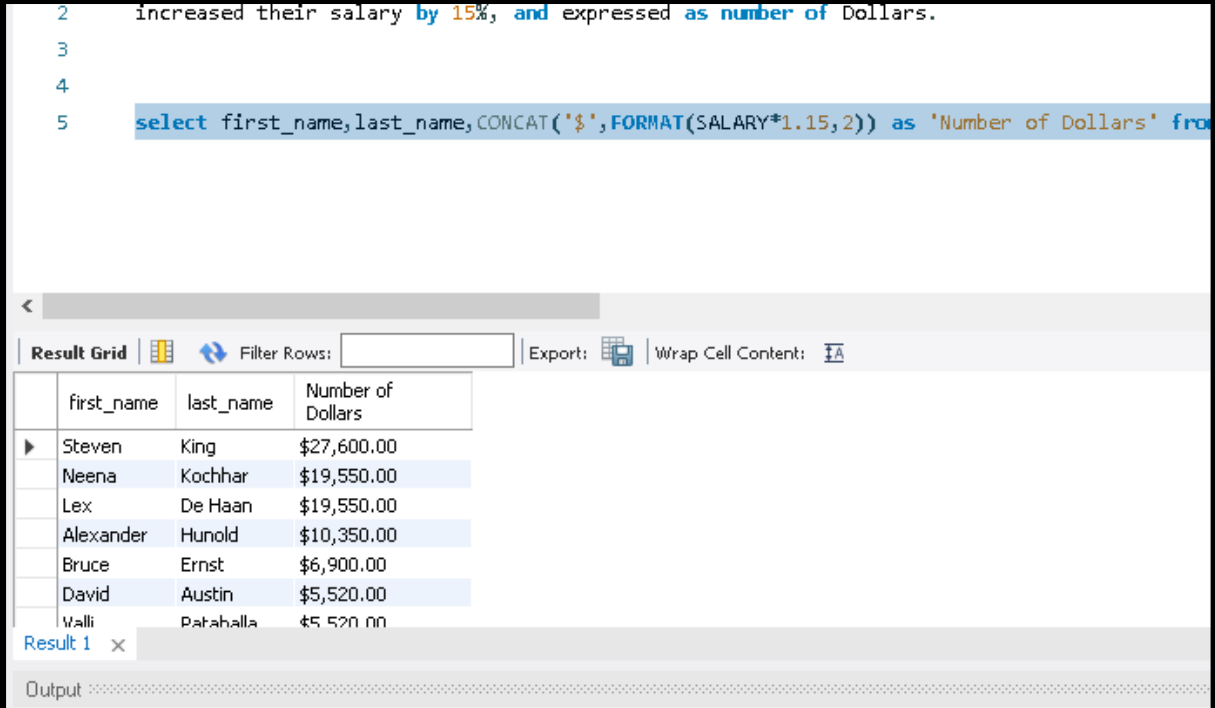
Below the editor is a 'Result Grid' window. It has a 'Filter Rows' input field and a table of results. The table has one column, 'job\_title', and the following rows:

job_title
Public Accountant
Accounting Manager
Administration Assistant
President
Administration Vice President
Accountant
Finance Manager

At the bottom left, there is a tab labeled 'jobs 2' with a close button (X).

4. From the following table, write a SQL query to list the employees' name, increased their salary by 15%, and expressed as number of Dollars.

select first\_name,last\_name,CONCAT('\$',FORMAT(SALARY\*1.15,2)) as 'Number of Dollars' from Employees



```
2      increased their salary by 15%, and expressed as number of Dollars.
3
4
5      select first_name,last_name,CONCAT('$',FORMAT(SALARY*1.15,2)) as 'Number of Dollars' from
```

	first_name	last_name	Number of Dollars
▶	Steven	King	\$27,600.00
	Neena	Kochhar	\$19,550.00
	Lex	De Haan	\$19,550.00
	Alexander	Hunold	\$10,350.00
	Bruce	Ernst	\$6,900.00
	David	Austin	\$5,520.00
	Walli	Pataballa	\$5,520.00

Result 1 x

Output

5. From the following table, write a SQL query to list the employee's name and job name as a format of "Employee & Job".

select concat(e.first\_name,' ',e.last\_name) as Name , j.job\_title as "Employee & Job"

from employees e

inner join jobs j

ON e.job\_id = j.job\_id;

```

10
11
12 • select concat(e.first_name, ' ', e.last_name) as Name, j.job_title as "Employee & Job"
13 from employees e
14 inner join jobs j
15 on e.job_id = j.job_id;

```

Name	Employee & Job
William Gietz	Public Accountant
Shelley Higgins	Accounting Manager
Jennifer Whalen	Administration Assistant
Steven King	President
Neena Kochhar	Administration Vice President
Lex De Haan	Administration Vice President
Daniel Faviot	Accountant

6. Write a query in SQL to produce the output of employees as follows:

Employee

JONAS(manager).

select concat(e.first\_name, '(' || j.job\_title || ')') as Employee

from employees e

INNER JOIN jobs j

ON e.job\_id = j.job\_id;

```

17
18 • select concat(e.first_name, '(' || j.job_title || ')') as Employee
19 from employees e
20 INNER JOIN jobs j
21 ON e.job_id = j.job_id;
22

```

Employee
William(Public Accountant)
Shelley(Accounting Manager)
Jennifer(Administration Assistant)
Steven(President)
Neena(Administration Vice President)
Lex(Administration Vice President)
Daniel(Accountant)

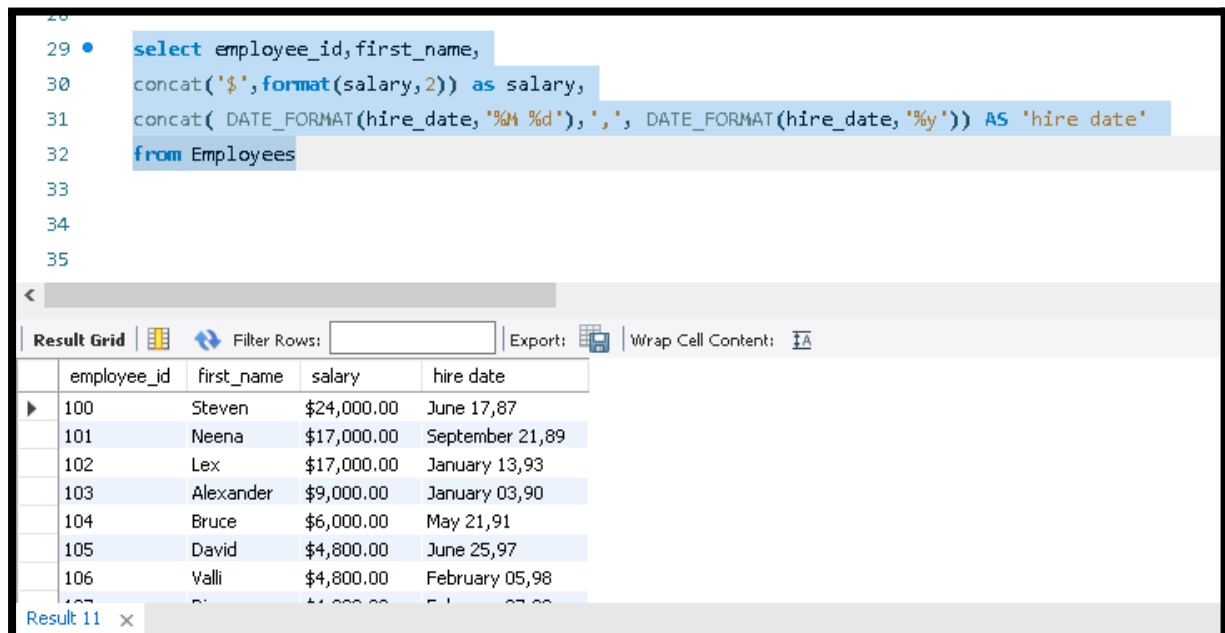
7. From the following table, write a SQL query to find those employees with hire date in the format like February 22, 1991. Return employee ID, employee name, salary, hire date.

```
select employee_id,first_name,
```

```
concat('$',format(salary,2)) as salary,
```

```
concat( DATE_FORMAT(hire_date,'%M %d'),' ', DATE_FORMAT(hire_date,'%y')) AS 'hire date'
```

```
from Employees
```



```
29 • select employee_id,first_name,
30 concat('$',format(salary,2)) as salary,
31 concat( DATE_FORMAT(hire_date,'%M %d'),' ', DATE_FORMAT(hire_date,'%y')) AS 'hire date'
32 from Employees
33
34
35
```

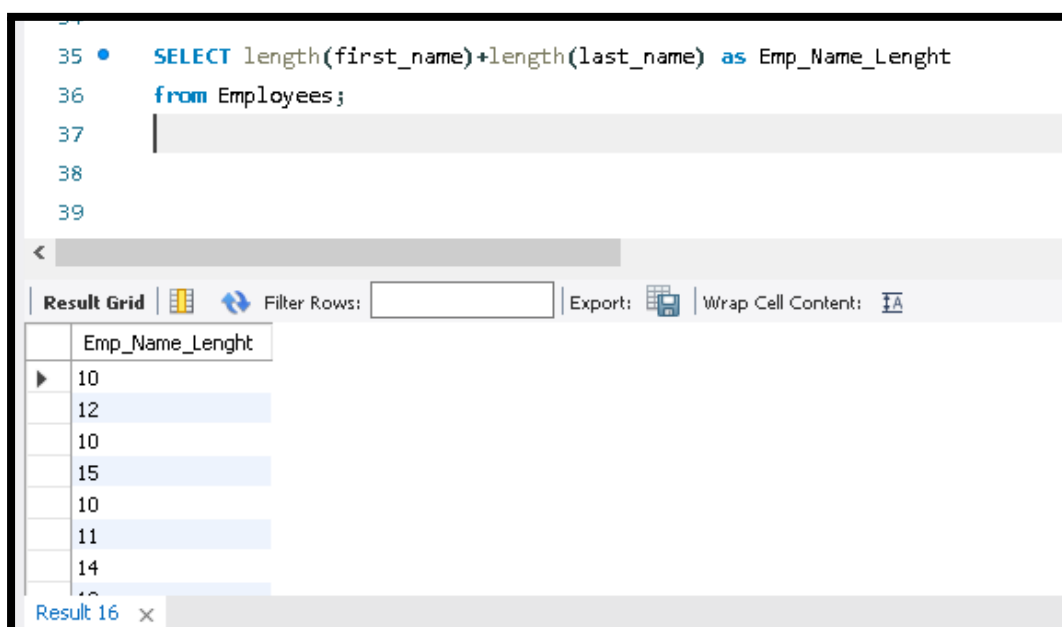
employee_id	first_name	salary	hire date
100	Steven	\$24,000.00	June 17,87
101	Neena	\$17,000.00	September 21,89
102	Lex	\$17,000.00	January 13,93
103	Alexander	\$9,000.00	January 03,90
104	Bruce	\$6,000.00	May 21,91
105	David	\$4,800.00	June 25,97
106	Valli	\$4,800.00	February 05,98

Result 11 x

8. From the following table, write a SQL query to count the number of characters except the spaces for each employee name. Return employee name length.

```
SELECT length(first_name)+length(last_name) as Emp_Name_Lenght
```

```
from Employees;
```



```
35 • SELECT length(first_name)+length(last_name) as Emp_Name_Lenght
36 from Employees;
37
38
39
```

Emp_Name_Lenght
10
12
10
15
10
11
14

Result 16 x

9. From the following table, write a SQL query to find the employee ID, salary, and commission of all the employees.

```
select employee_id, salary ,commission_pct
```

```
from Employees
```

```
where commission_pct is not NULL;
```

The screenshot shows a SQL query editor with the following code:

```
37  
38 • select employee_id, salary ,commission_pct  
39 from Employees  
40 where commission_pct is not NULL;  
41
```

Below the editor is a 'Result Grid' with the following data:

	employee_id	salary	commission_pct
▶	145	14000.00	0.40
	146	13500.00	0.30
	147	12000.00	0.30
	148	11000.00	0.30
	149	10500.00	0.20
	150	10000.00	0.30
	151	9500.00	0.25
	152	9000.00	0.25

The bottom of the window shows a tab labeled 'Employees 18'.

10. From the following table, write a SQL query to find the unique department with jobs. Return department ID, Job name.

```
select e.job_id,j.job_title
```

```
from employees e
```

```
inner join jobs j
```

```
on e.job_id = j.job_id
```

```
group by e.job_id;
```

The screenshot shows a SQL query editor with the following code:

```
42  
43 • select e.job_id,j.job_title  
44 from employees e  
45 inner join jobs j  
46 on e.job_id = j.job_id  
47 group by e.job_id;
```

Below the editor is a 'Result Grid' with the following data:

	job_id	job_title
▶	AC_ACCOUNT	Public Accountant
	AC_MGR	Accounting Manager
	AD_ASST	Administration Assistant
	AD_PRE	President
	AD_VP	Administration Vice President
	FI_ACCOUNT	Accountant
	FI_MGR	Finance Manager
	HR_REP	Human Resources Representative

The bottom of the window shows a tab labeled 'Result 21'.

11. From the following table, write a SQL query to find those employees who do not belong to the department 2001. Return complete information about the

```
select * from employees
```

```
where department_id != 50;
```

```
48
49 • select * from employees
50 where department_id != 50;
```

Result Grid

Filter Rows:

Edit: Export/Import: Wrap Cell Content:

st_name	last_name	email	phone_number	hire_date	job_id	salary	commission_pct	manager_id	department_id
t	Fay	PFAY	603.123.6666	1997-08-17	MK_REP	6000.00	NULL	201	20
san	Mavris	SMAVRIS	515.123.7777	1994-06-07	HR_REP	6500.00	NULL	101	40
rmann	Baer	HBAER	515.123.8888	1994-06-07	PR_REP	10000.00	NULL	101	70
elley	Higgins	SHIGGINS	515.123.8080	1994-06-07	AC_MGR	12000.00	NULL	101	110
liam	Gietz	WGIEZT	515.123.8181	1994-06-07	AC_ACCOUNT	8300.00	NULL	205	110
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

12. From the following table, write a SQL query to find those employees who joined before 1991. Return complete information about the employees.

```
select * from employees
```

```
where year(hire_date) < 1991;
```

The screenshot shows a SQL query editor with the following query:

```
52 • select * from employees
53 where year(hire_date) < 1991;
```

Below the query editor is a 'Result Grid' showing the results of the query. The grid has columns: employee\_id, first\_name, last\_name, email, phone\_number, hire\_date, job\_id, salary, commission\_pct, manager\_id, and department\_id. The results are as follows:

employee_id	first_name	last_name	email	phone_number	hire_date	job_id	salary	commission_pct	manager_id	department_id
100	Steven	King	SKING	515.123.4567	1987-06-17	AD_PRE	24000.00	NULL	NULL	90
101	Neena	Kochhar	NKOCHHAR	515.123.4568	1989-09-21	AD_VP	17000.00	NULL	100	90
103	Alexander	Hunold	AHUNOLD	590.423.4567	1990-01-03	IT_PROG	9000.00	NULL	102	60
200	Jennifer	Whalen	JWHALEN	515.123.4444	1987-09-17	AD_ASST	4400.00	NULL	101	10
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

13. From the following table, write a SQL query to calculate the average salary of employees who work as analysts. Return average salary.

```
select avg(salary)
```

```
from employees e
```

```
INNER JOIN jobs j
```

```
ON e.job_id = j.job_id
```

```
where j.job_title = 'Programmer';
```

55	•	select avg(salary)
56		from employees e
57		INNER JOIN jobs j
58		ON e.job_id = j.job_id
59		where j.job_title = 'Programmer';

Result Grid	Filter Rows:	Export:	Wr
avg(salary)			
5760.000000			

14. From the following table, write a SQL query to find the details of the employee 'BLAZE'.

```
select * from employees
where first_name = "David";
```

60

61 • `select * from employees`

62 `where first_name = "David";`

<

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content:

employee_id	first_name	last_name	email	phone_number	hire_date	job_id	salary	commission_pct	manager_id	de
105	David	Austin	DAUSTIN	590.423.4569	1997-06-25	IT_PROG	4800.00	NULL	103	60
151	David	Bernstein	DBERNSTE	011.44.1344.345268	1997-03-24	SA_REP	9500.00	0.25	145	80
165	David	Lee	DLEE	011.44.1346.529268	2000-02-23	SA_REP	6800.00	0.10	147	80
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

15. From the following table, write a SQL query to identify employees whose commissions exceed their salaries. Return complete information about the employees.

```
select * from employees
where commission_pct is not Null;
```



63

64 • `select * from employees`

65 `where commission_pct is not Null;`

Result Grid

employee_id	first_name	last_name	email	phone_number	hire_date	job_id	salary	commission_pct	manager_id
145	John	Russell	JRUSSEL	011.44.1344.429268	1996-10-01	SA_MAN	14000.00	0.40	100
146	Karen	Partners	KPARTNER	011.44.1344.467268	1997-01-05	SA_MAN	13500.00	0.30	100
147	Alberto	Errazuriz	AERRAZUR	011.44.1344.429278	1997-03-10	SA_MAN	12000.00	0.30	100
148	Gerald	Cambraut	GCAMBRAU	011.44.1344.619268	1999-10-15	SA_MAN	11000.00	0.30	100
149	Eleni	Zlotkey	EZLOTKEY	011.44.1344.429018	2000-01-29	SA_MAN	10500.00	0.20	100
150	Peter	Tucker	PTUCKER	011.44.1344.129268	1997-01-30	SA_REP	10000.00	0.30	145

16. From the following table, write a SQL query to identify those employees whose salaries exceed 3000 after receiving a 25% salary increase. Return complete information about the employees.

`select *, salary*1.25 as new_salary from employees`

`where salary*1.25 > 3000;`

69

70 • `select *, salary*1.25 as new_salary from employees`

71 `where salary*1.25 > 3000;`

72

Result Grid

employee_id	first_name	last_name	email	phone_number	hire_date	job_id	salary	commission_pct	manager_id
100	Steven	King	SKING	515.123.4567	1987-06-17	AD_PRES	24000.00	NULL	NULL
101	Neena	Kochhar	NKOCHHAR	515.123.4568	1989-09-21	AD_VP	17000.00	NULL	100
102	Lex	De Haan	LDEHAAN	515.123.4569	1993-01-13	AD_VP	17000.00	NULL	100
103	Alexander	Hunold	AHUNOLD	590.423.4567	1990-01-03	IT_PROG	9000.00	NULL	102
104	Bruce	Ernst	BERNST	590.423.4568	1991-05-21	IT_PROG	6000.00	NULL	103
105	David	Austin	DAUSTIN	590.423.4569	1997-06-25	IT_PROG	4800.00	NULL	103

17. From the following table, write a SQL query to find the names of the employees whose length is six. Return employee name.

`select * from employees`

`where length(first_name) = 6;`

72

73 • `select * from employees`

74 `where length(first_name) = 6;`

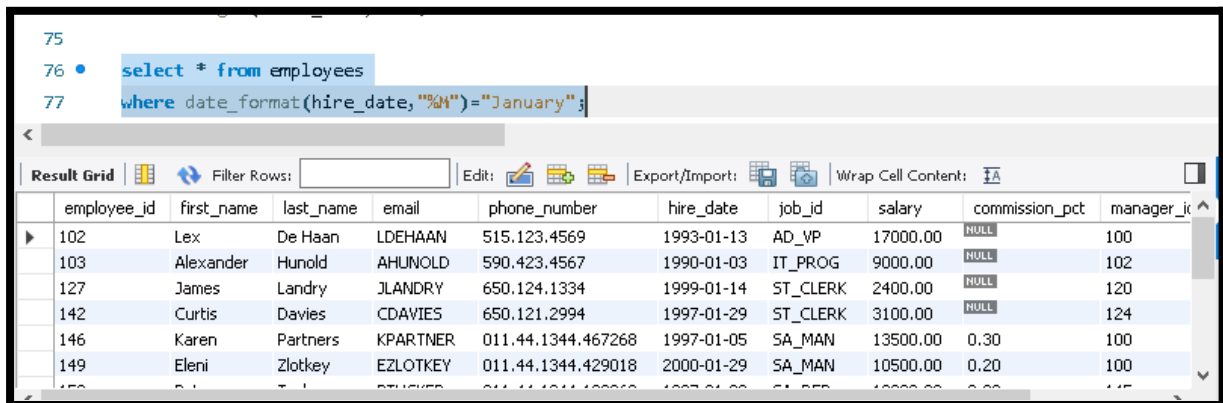
Result Grid

employee_id	first_name	last_name	email	phone_number	hire_date	job_id	salary	commission_pct	manager_id
100	Steven	King	SKING	515.123.4567	1987-06-17	AD_PRES	24000.00	NULL	NULL
109	Daniel	Faviet	DFAVIET	515.124.4169	1994-08-16	FI_ACCOUNT	9000.00	NULL	108
111	Ismael	Sciarra	ISCIARRA	515.124.4369	1997-09-30	FI_ACCOUNT	7700.00	NULL	108
116	Shelli	Baida	SBAIDA	515.127.4563	1997-12-24	PU_CLERK	2900.00	NULL	114
123	Shanta	Vollman	SVOLLMAN	650.123.4234	1997-10-10	ST_MAN	6500.00	NULL	100
128	Steven	Markle	SMARKLE	650.124.1434	2000-03-08	ST_CLERK	2200.00	NULL	120

18. From the following table, write a SQL query to find out which employees joined in the month of January. Return complete information about the employees.

```
select * from employees
```

```
where date_format(hire_date,"%M")="January";
```



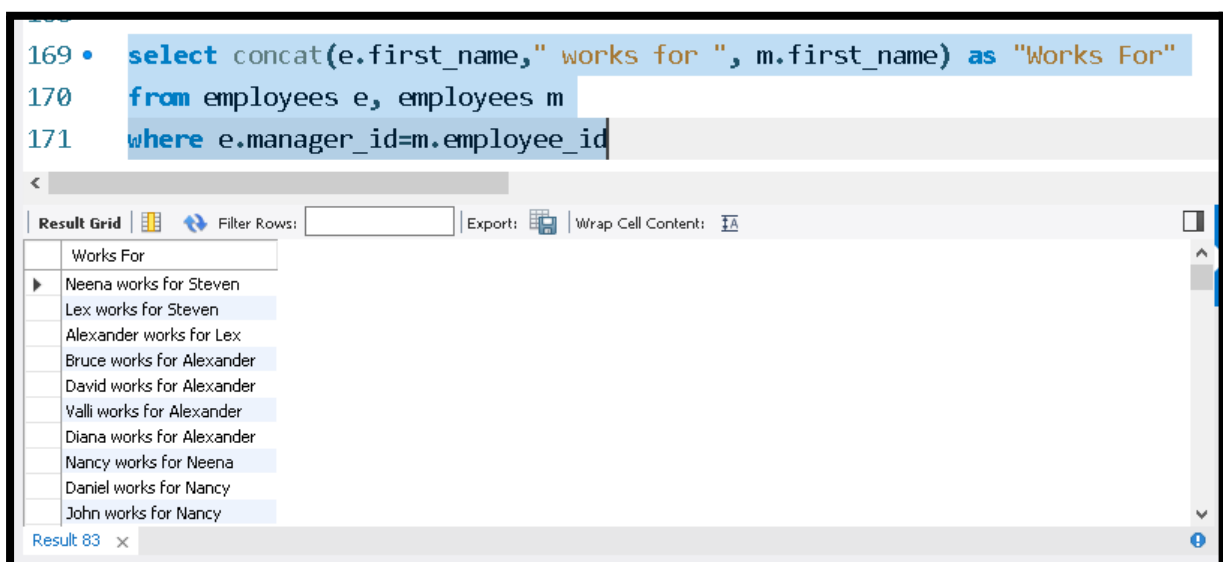
employee_id	first_name	last_name	email	phone_number	hire_date	job_id	salary	commission_pct	manager_id
102	Lex	De Haan	LDEHAAN	515.123.4569	1993-01-13	AD_VP	17000.00	NULL	100
103	Alexander	Hunold	AHUNOLD	590.423.4567	1990-01-03	IT_PROG	9000.00	NULL	102
127	James	Landry	JLANDRY	650.124.1334	1999-01-14	ST_CLERK	2400.00	NULL	120
142	Curtis	Davies	CDAVIES	650.121.2994	1997-01-29	ST_CLERK	3100.00	NULL	124
146	Karen	Partners	KPARTNER	011.44.1344.467268	1997-01-05	SA_MAN	13500.00	0.30	100
149	Eleni	Zlotkey	EZLOTKEY	011.44.1344.429018	2000-01-29	SA_MAN	10500.00	0.20	100

19. From the following table, write a SQL query to separate the names of employees and their managers by the string 'works for'.

```
select concat(e.first_name," works for ", m.first_name) as "Works For"
```

```
from employees e, employees m
```

```
where e.manager_id=m.employee_id
```

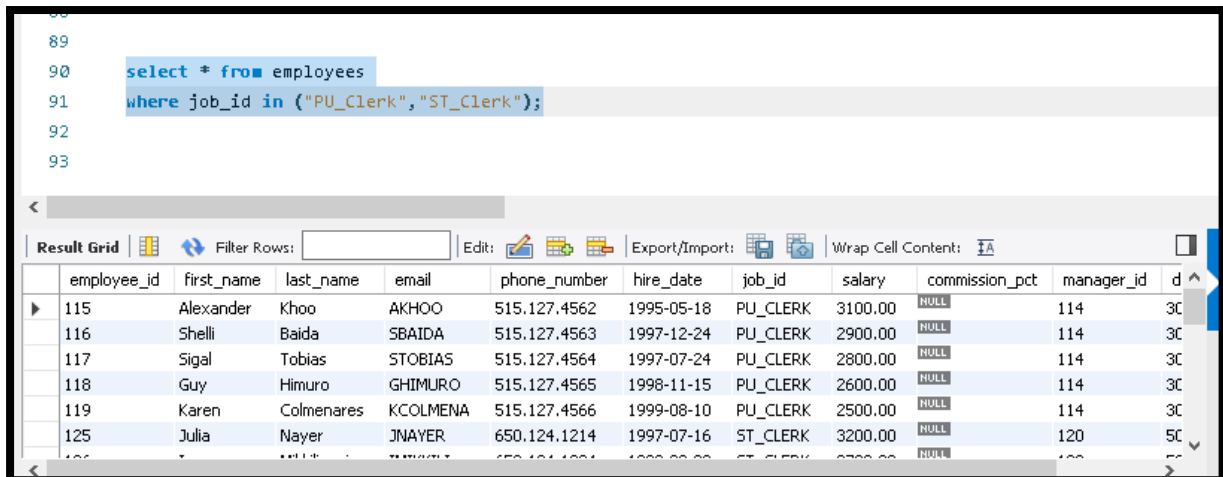


Works For
Neena works for Steven
Lex works for Steven
Alexander works for Lex
Bruce works for Alexander
David works for Alexander
Valli works for Alexander
Diana works for Alexander
Nancy works for Neena
Daniel works for Nancy
John works for Nancy

20. From the following table, write a SQL query to find those employees whose designation is 'CLERK'. Return complete information about the employees.

```
select * from employees
```

```
where job_id in ("PU_Clerk","ST_Clerk");
```



The screenshot shows a SQL query editor with the following query:

```
select * from employees
where job_id in ("PU_Clerk","ST_Clerk");
```

Below the query editor is a "Result Grid" showing the results of the query. The grid has columns for employee\_id, first\_name, last\_name, email, phone\_number, hire\_date, job\_id, salary, commission\_pct, manager\_id, and department\_id. The results are as follows:

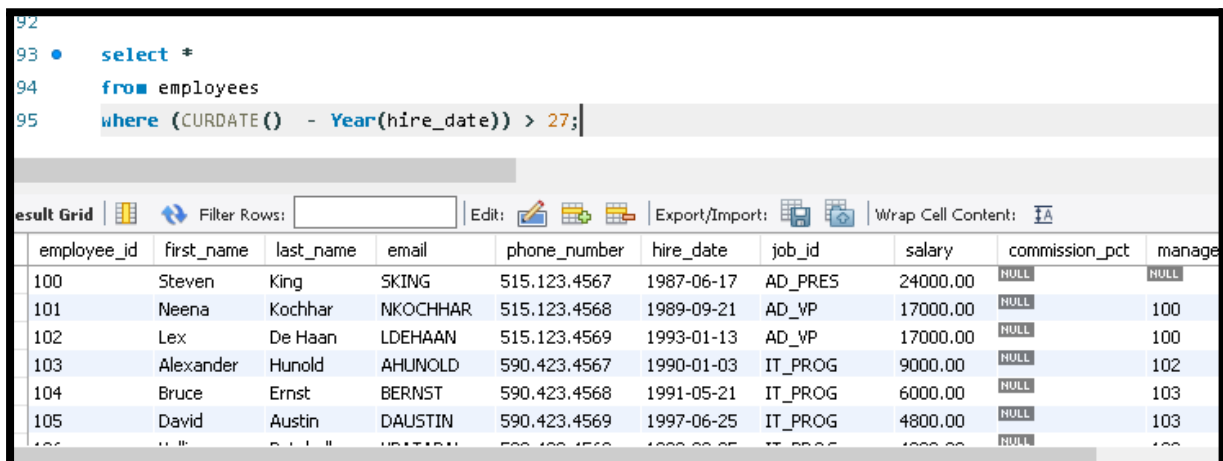
employee_id	first_name	last_name	email	phone_number	hire_date	job_id	salary	commission_pct	manager_id	department_id
115	Alexander	Khao	AKHOO	515.127.4562	1995-05-18	PU_CLERK	3100.00	NULL	114	30
116	Shelli	Baida	SBAIDA	515.127.4563	1997-12-24	PU_CLERK	2900.00	NULL	114	30
117	Sigal	Tobias	STOBIAS	515.127.4564	1997-07-24	PU_CLERK	2800.00	NULL	114	30
118	Guy	Himuro	GHIMURO	515.127.4565	1998-11-15	PU_CLERK	2600.00	NULL	114	30
119	Karen	Colmenares	KCOLMENAS	515.127.4566	1999-08-10	PU_CLERK	2500.00	NULL	114	30
125	Julia	Nayer	JNAYER	650.124.1214	1997-07-16	ST_CLERK	3200.00	NULL	120	50

21. From the following table, write a SQL query to identify employees with more than 27 years of experience. Return complete information about the employees.

```
select *
```

```
from employees
```

```
where (CURDATE() - Year(hire_date)) > 27;
```



The screenshot shows a SQL query editor with the following query:

```
select *
from employees
where (CURDATE() - Year(hire_date)) > 27;
```

Below the query editor is a "Result Grid" showing the results of the query. The grid has columns for employee\_id, first\_name, last\_name, email, phone\_number, hire\_date, job\_id, salary, commission\_pct, and manager\_id. The results are as follows:

employee_id	first_name	last_name	email	phone_number	hire_date	job_id	salary	commission_pct	manager_id
100	Steven	King	SKING	515.123.4567	1987-06-17	AD PRES	24000.00	NULL	NULL
101	Neena	Kochhar	NKOCHHAR	515.123.4568	1989-09-21	AD VP	17000.00	NULL	100
102	Lex	De Haan	LDEHAAN	515.123.4569	1993-01-13	AD VP	17000.00	NULL	100
103	Alexander	Hunold	AHUNOLD	590.423.4567	1990-01-03	IT PROG	9000.00	NULL	102
104	Bruce	Ernst	BERNST	590.423.4568	1991-05-21	IT PROG	6000.00	NULL	103
105	David	Austin	DAUSTIN	590.423.4569	1997-06-25	IT PROG	4800.00	NULL	103

22. From the following table, write a SQL query to find those employees whose salaries are less than 3500. Return complete information about the employees.

```
select * from employees
```

```
where salary < 3500;
```




97



98 • `select * from employees`


99 `where salary < 3500;`

Result Grid

Filter Rows:

Edit:   

Export/Import:  

Wrap Cell Content: 

	employee_id	first_name	last_name	email	phone_number	hire_date	job_id	salary	commission
▶	115	Alexander	Khoo	AKHOO	515.127.4562	1995-05-18	PU_CLERK	3100.00	NUL
	116	Shelli	Baida	SBAIDA	515.127.4563	1997-12-24	PU_CLERK	2900.00	NUL
	117	Sigal	Tobias	STOBIAS	515.127.4564	1997-07-24	PU_CLERK	2800.00	NUL
	118	Guy	Himuro	GHIMURO	515.127.4565	1998-11-15	PU_CLERK	2600.00	NUL
	119	Karen	Colmenares	KCOLMENA	515.127.4566	1999-08-10	PU_CLERK	2500.00	NUL
	125	Julia	Nayer	JNAYER	650.124.1214	1997-07-16	ST_CLERK	3200.00	NUL
	126	...	...	...	...	...	...	...	NUL

23. From the following table, write a SQL query to find the employee whose designation is 'ANALYST'. Return employee name, job name and salary.

`select e.first_name, j.job_title, e.salary`

`from employees e`

`INNER JOIN jobs j`

`ON e.job_id = j.job_id`

`where j.job_title = 'Programmer';`

```

100
101 • select e.first_name, j.job_title ,e.salary
102 from employees e
103 INNER JOIN jobs j
104 ON e.job_id = j.job_id
105 where j.job_title = 'Programmer';
106

```

	first_name	job_title	salary
▶	Alexander	Programmer	9000.00
	Bruce	Programmer	6000.00
	David	Programmer	4800.00
	Valli	Programmer	4800.00
	Diana	Programmer	4200.00

24. From the following table, write a SQL query to identify those employees who joined the company in 1991. Return complete information about the employees.

select \* from employees

where year(hire\_date) = 1991

```

107
108 • select * from employees
109 where year(hire_date) = 1991

```

	employee_id	first_name	last_name	email	phone_number	hire_date	job_id	salary	commission_pct	manager_id	departmen
▶	104	Bruce	Ernst	BERNST	590.423.4568	1991-05-21	IT_PROG	6000.00	NULL	103	60
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

25. From the following table, write a SQL query to find those employees who joined before 1st April 1991. Return employee ID, employee name, hire date and salary.

select employee\_id,first\_name,last\_name,hire\_date,salary from employees

where hire\_date < '1991-04-01';

```

12
13 select employee_id,first_name,last_name,hire_date,salary from employees
14 where hire_date < '1991-04-01';

```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content

employee_id	first_name	last_name	hire_date	salary
100	Steven	King	1987-06-17	24000.00
101	Neena	Kochhar	1989-09-21	17000.00
103	Alexander	Hunold	1990-01-03	9000.00
200	Jennifer	Whalen	1987-09-17	4400.00
NULL	NULL	NULL	NULL	NULL

26. From the following table, write a SQL query to identify the employees who do not report to a manager. Return employee name, job name.

select \* from employees

where manager\_id is NULL;

```

116
117 • select * from employees
118 where manager_id is NULL;

```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |

employee_id	first_name	last_name	email	phone_number	hire_date	job_id	salary	commission_pct
100	Steven	King	SKING	515.123.4567	1987-06-17	AD_PRES	24000.00	NULL
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

27. From the following table, write a SQL query to find the employees who joined on the 1st of May 1991. Return complete information about the employees.

select \* from employees

where hire\_date = '1991-05-01';

```

119
120 • select * from employees
121 where hire_date = '1991-05-01';

```

employee_id	first_name	last_name	email	phone_number	hire_date	job_id	salary	commission_pct	manager_id
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

28. From the following table, write a SQL query to identify the experience of the employees who work under the manager whose ID number is 68319. Return employee ID, employee name, salary, experience.

```

select employee_id, first_name, last_name, salary , (year(curdate()) - year(hire_date)) as Experience
from employees
where manager_id = 108;

```

```

24
25 select employee_id, first_name, last_name, salary , (year(curdate()) - year(hire_date)) as Experience
26 from employees
27 where manager_id = 108;

```

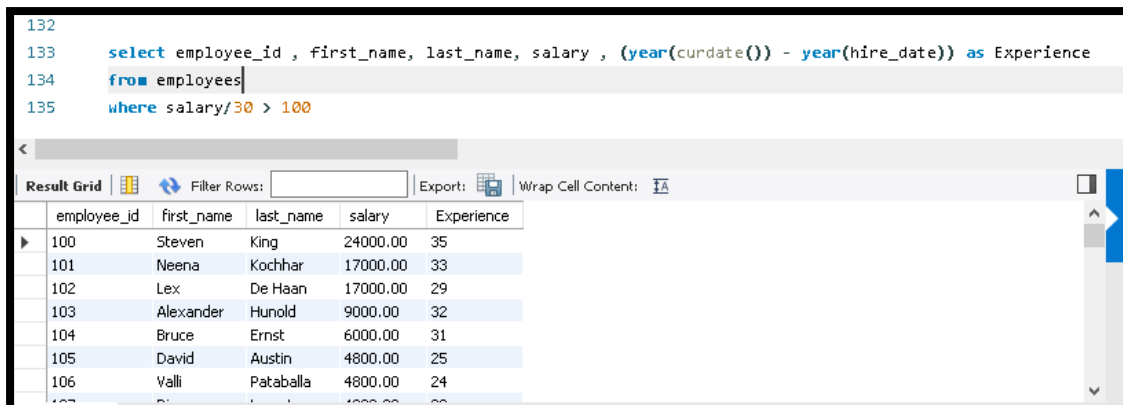
employee_id	first_name	last_name	salary	Experience
109	Daniel	Faviet	9000.00	28
110	John	Chen	8200.00	25
111	Ismael	Sciarra	7700.00	25
112	Jose Manuel	Urman	7800.00	24
113	Luis	Popp	6900.00	23

**29.** From the following table, write a SQL query to find out which employees earn more than 100 per day as a salary. Return employee ID, employee name, salary, and experience.

```
select employee_id , first_name, last_name, salary , (year(curdate()) - year(hire_date)) as Experience
```

```
from employees
```

```
where salary/30 > 100
```



The screenshot shows a SQL query editor with the following query:

```
132
133 select employee_id , first_name, last_name, salary , (year(curdate()) - year(hire_date)) as Experience
134 from employees
135 where salary/30 > 100
```

Below the query, there is a "Result Grid" showing the results of the query. The grid has columns for employee\_id, first\_name, last\_name, salary, and Experience. The results are as follows:

employee_id	first_name	last_name	salary	Experience
100	Steven	King	24000.00	35
101	Neena	Kochhar	17000.00	33
102	Lex	De Haan	17000.00	29
103	Alexander	Hunold	9000.00	32
104	Bruce	Ernst	6000.00	31
105	David	Austin	4800.00	25
106	Valli	Pataballa	4800.00	24

**30.** From the following table, write a SQL query to identify those employees who retired after 31-Dec-99, completing eight years of service. Return employee name.

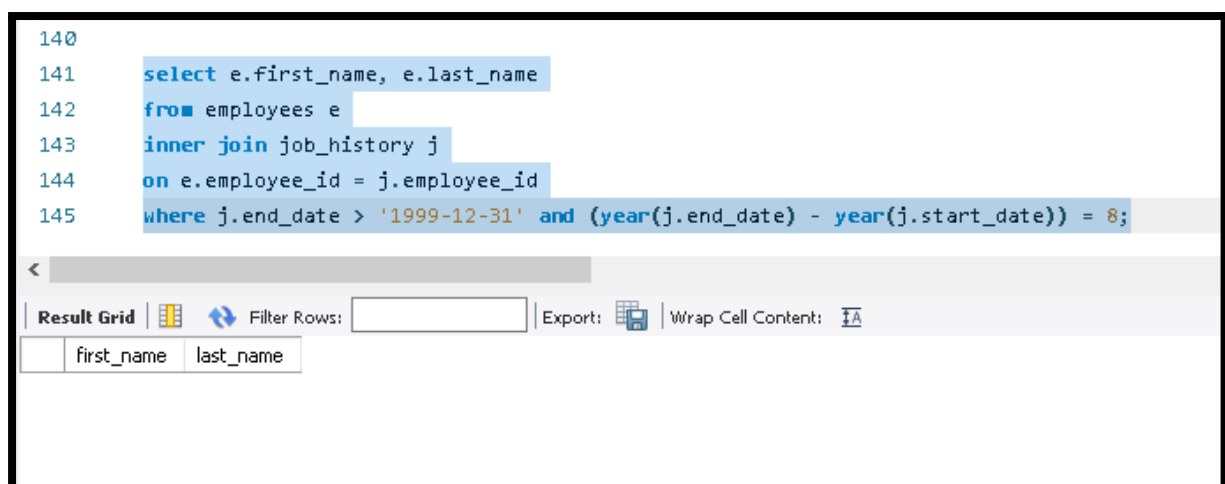
```
select e.first_name, e.last_name
```

```
from employees e
```

```
inner join job_history j
```

```
on e.employee_id = j.employee_id
```

```
where j.end_date > '1999-12-31' and (year(j.end_date) - year(j.start_date)) = 8;
```



The screenshot shows a SQL query editor with the following query:

```
140
141 select e.first_name, e.last_name
142 from employees e
143 inner join job_history j
144 on e.employee_id = j.employee_id
145 where j.end_date > '1999-12-31' and (year(j.end_date) - year(j.start_date)) = 8;
```

Below the query, there is a "Result Grid" showing the results of the query. The grid has columns for first\_name and last\_name. The results are as follows:

first_name	last_name
------------	-----------



31. From the following table, write a SQL query to identify the employees whose salaries are odd. Return complete information about the employees.

```
select * from employees
```

```
where salary%2 <> 0;
```

```
146
147 • select * from employees
148 where salary%2 <> 0;
```

Result Grid

	employee_id	first_name	last_name	email	phone_number	hire_date	job_id	salary	commission_pct	manager_id	department_id
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

32. From the following table, write a SQL query to identify employees whose salaries contain only three digits. Return complete information about the employees.

```
select * from employees
```

```
where length(salary)>3;
```

```
151 • select * from employees
152 where length(salary)>3;
```

Result Grid

	employee_id	first_name	last_name	email	phone_number	hire_date	job_id	salary	commission_pct	manager_id	department_id
*	100	Steven	King	SKING	515.123.4567	1987-06-17	AD_PRE	24000.00	NULL	NULL	10
	101	Neena	Kochhar	NKOCHHAR	515.123.4568	1989-09-21	AD_VP	17000.00	NULL	100	10
	102	Lex	De Haan	LDEHAAN	515.123.4569	1993-01-13	AD_VP	17000.00	NULL	100	10
	103	Alexander	Hunold	AHUNOLD	590.423.4567	1990-01-03	IT_PROG	9000.00	NULL	102	10
	104	Bruce	Ernst	BERNST	590.423.4568	1991-05-21	IT_PROG	6000.00	NULL	103	10

33. From the following table, write a SQL query to find those employees who joined in the month of APRIL. Return complete information about the employees.

```
select * from employees
```

```
where date_format(hire_date,"%M") = "April";
```

152 where length(salary) > 5;

153

154 • select \* from employees

155 where date\_format(hire\_date, "%M") = "April";

employee_id	first_name	last_name	email	phone_number	hire_date	job_id	salary	commission_pct	manager_id
121	Adam	Fripp	AFRIPP	650.123.2234	1997-04-10	ST_MAN	8200.00	NULL	100
132	TJ	Olson	TJOLSON	650.124.8234	1999-04-10	ST_CLERK	2100.00	NULL	121
140	Joshua	Patel	JPATEL	650.121.1834	1998-04-06	ST_CLERK	2500.00	NULL	123
167	Amit	Banda	ABANDA	011.44.1346.729268	2000-04-21	SA_REP	6200.00	0.10	147
173	Sundita	Kumar	SKUMAR	011.44.1343.329268	2000-04-21	SA_REP	6100.00	0.10	148

34. From the following table, write a SQL query to find out which employees joined the company before the 19th of the month. Return complete information about the employees.

select \* from employees

where day(hire\_date) < 19;

160 where day(hire\_date) < 19;

employee_id	first_name	last_name	email	phone_number	hire_date	job_id	salary	commission_pct	manager_id
100	Steven	King	SKING	515.123.4567	1987-06-17	AD PRES	24000.00	NULL	NULL
102	Lex	De Haan	LDEHAAN	515.123.4569	1993-01-13	AD VP	17000.00	NULL	100
103	Alexander	Hunold	AHUNOLD	590.423.4567	1990-01-03	IT_PROG	9000.00	NULL	102
106	Valli	Pataballa	VPATABAL	590.423.4560	1998-02-05	IT_PROG	4800.00	NULL	103
107	Diana	Lorentz	DLORENTZ	590.423.5567	1999-02-07	IT_PROG	4200.00	NULL	103

35. From the following table, write a SQL query to identify those employees who have been working as a SALESMAN and month portion of the experience is more than 10. Return complete information about the employees.

select \*

from employees e

inner join jobs j

on e.job\_id = j.job\_id

where j.job\_title = "Sales Manager" and (year(curdate()) - year(e.hire\_date)) > 10;

62

```
63 • select *
64 from employees e
65 inner join jobs j
66 on e.job_id = j.job_id
67 where j.job_title = "Sales Manager" and (year(curdate()) - year(e.hire_date)) > 10;
```

Result Grid



Filter Rows:

Export:



Wrap Cell Content:



[IA](#)

employee_id	first_name	last_name	email	phone_number	hire_date	job_id	salary	commission_pct	manager_id
145	John	Russell	JRUSSEL	011.44.1344.429268	1996-10-01	SA_MAN	14000.00	0.40	100
146	Karen	Partners	KPARTNER	011.44.1344.467268	1997-01-05	SA_MAN	13500.00	0.30	100
147	Alberto	Errazuriz	AERRAZUR	011.44.1344.429278	1997-03-10	SA_MAN	12000.00	0.30	100
148	Gerald	Cambraut	GCAMBRAU	011.44.1344.619268	1999-10-15	SA_MAN	11000.00	0.30	100
149	Eleni	Zlotkey	EZLOTKEY	011.44.1344.429018	2000-01-29	SA_MAN	10500.00	0.20	100