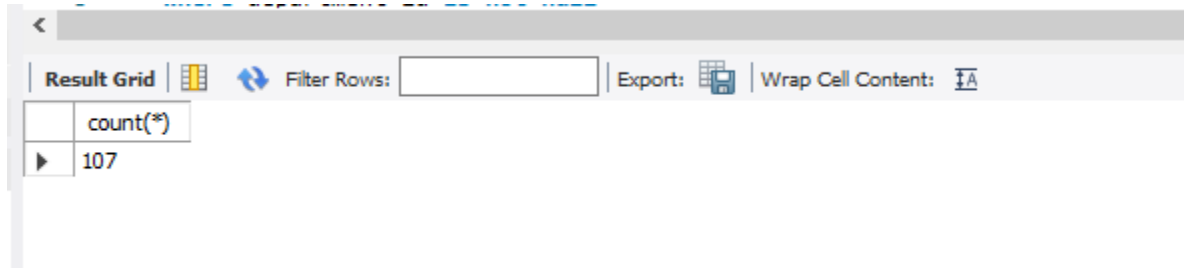


QUERY DATA USING SQL CHALLENGE

USE hr;

/* Task 1 : The HR department wants to find count of all the employees of in the organization */

select count(*) from hr.employees;



The screenshot shows a SQL query result in a web interface. The toolbar includes 'Result Grid', 'Filter Rows', 'Export', and 'Wrap Cell Content'. The result grid displays a single row with the column 'count(*)' and the value '107'.

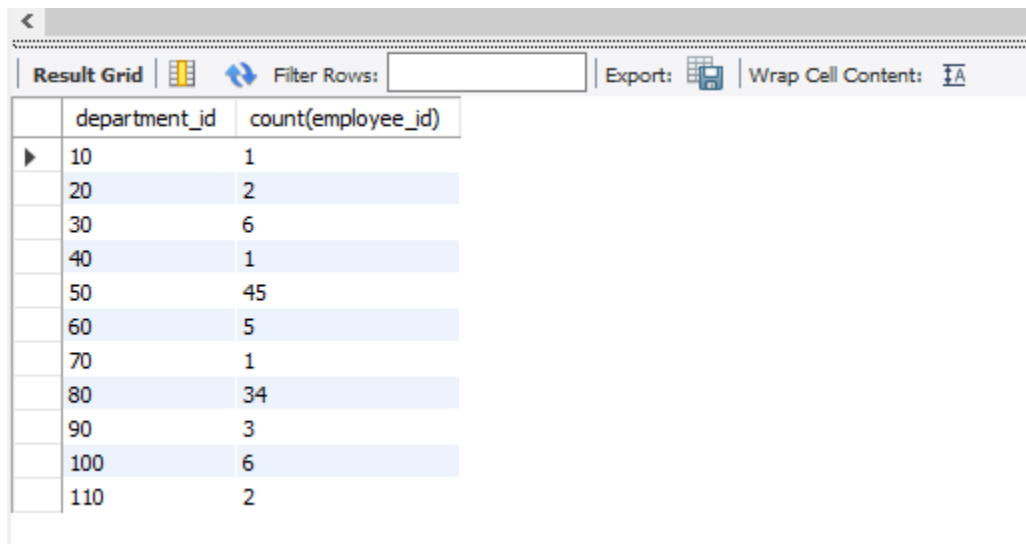
	count(*)
▶	107

/* Task 2 : The HR department requires department wise count of employees */

select department_id, count(employee_id) from hr.employees

where department_id is not null

group by department_id;



The screenshot shows a SQL query result in a web interface. The toolbar includes 'Result Grid', 'Filter Rows', 'Export', and 'Wrap Cell Content'. The result grid displays a table with two columns: 'department_id' and 'count(employee_id)'. The data is as follows:

	department_id	count(employee_id)
▶	10	1
	20	2
	30	6
	40	1
	50	45
	60	5
	70	1
	80	34
	90	3
	100	6
	110	2


-- OR


select department_name , count(*) from hr.departments,hr.employees

where employees.department_id=departments.department_id

group by department_name;


Result Grid






Filter Rows:

Export:



Wrap Cell Content:



	department_name	count(*)
▶	Administration	1
	Marketing	2
	Purchasing	6
	Human Resources	1
	Shipping	45
	IT	5
	Public Relations	1
	Sales	34
	Executive	3
	Finance	6
	Accounting	2

/* Task 3 : The HR department wants to know first names and salary of the employees who have salaries greater than \$6000 */

select first_name,salary from hr.employees where salary > 6000;

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	first_name	salary
▶	Steven	24000.00
	Neena	17000.00
	Lex	17000.00
	Alexander	9000.00
	Nancy	12000.00
	Daniel	9000.00
	John	8200.00
	Ismael	7700.00
	Jose Manuel	7800.00
	Luis	6900.00
	Den	11000.00
	Matthew	8000.00
	Adam	8200.00
	Payam	7900.00

/* Task 4 : The HR department wants to determine count of all the employees in the organization who earn more than \$20000 **/

select count(employee_id) from hr.employees where salary > 20000;

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
count(employee_id)			
1			

/* Task 5 : The HR department needs to identify the employees who got a commission (commission_pct is not null) so that new policies can be identified for their appraisal */

select * from hr.employees where commission_pct is not 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	manager_id	department_id
▶	145	John	Russell	JRUSSEL	011.44.1344.429268	1996-10-01	SA_MAN	14000.00	0.40	100	80
	146	Karen	Partners	KPARTNER	011.44.1344.467268	1997-01-05	SA_MAN	13500.00	0.30	100	80
	147	Alberto	Errazuriz	AERRAZUR	011.44.1344.429278	1997-03-10	SA_MAN	12000.00	0.30	100	80
	148	Gerald	Cambraut	GCAMBRAU	011.44.1344.619268	1999-10-15	SA_MAN	11000.00	0.30	100	80
	149	Eleni	Zlotkey	EZLOTKEY	011.44.1344.429018	2000-01-29	SA_MAN	10500.00	0.20	100	80
	150	Peter	Tucker	PTUCKER	011.44.1344.129268	1997-01-30	SA_REP	10000.00	0.30	145	80
	151	David	Bernstein	DBERNSTE	011.44.1344.345268	1997-03-24	SA_REP	9500.00	0.25	145	80
	152	Peter	Hall	PHALL	011.44.1344.478968	1997-08-20	SA_REP	9000.00	0.25	145	80
	153	Christopher	Olsen	COLSEN	011.44.1344.498718	1998-03-30	SA_REP	8000.00	0.20	145	80
	154	Nanette	Cambraut	NCAMBRAU	011.44.1344.987668	1998-12-09	SA_REP	7500.00	0.20	145	80
	155	Oliver	Tuvault	OTUVAULT	011.44.1344.486508	1999-11-23	SA_REP	7000.00	0.15	145	80
	156	Janette	King	JKING	011.44.1345.429268	1996-01-30	SA_REP	10000.00	0.35	146	80
	157	Patrick	Sully	PSULLY	011.44.1345.929268	1996-03-04	SA_REP	9500.00	0.35	146	80
	158	Allan	McEwen	AMCEWEN	011.44.1345.829268	1996-08-01	SA_REP	9000.00	0.35	146	80

employees 28

/* Task 6 : The HR department wants to send gifts to all the employees who do not receive commission (commission_pct=NULL). The gift item should also contain a note with the recipient's full name. */

select concat (first_name,' ',last_name) as 'full_name',commission_pct from hr.employees where commission_pct is null;

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	full_name	commission_pct		
▶	Steven King	NULL		
	Neena Kochhar	NULL		
	Lex De Haan	NULL		
	Alexander Hunold	NULL		
	Bruce Ernst	NULL		
	David Austin	NULL		
	Valli Pataballa	NULL		
	Diana Lorentz	NULL		
	Nancy Greenberg	NULL		
	Daniel Faviyet	NULL		
	John Chen	NULL		
	Ismael Sciarra	NULL		
	Jose Manuel Urman	NULL		
	Luis Popp	NULL		

/* Task 7 : The HR department has decide to hire a third party agency to perform a background check on the employees who are getting commissions. The verification agency need following details:

First name, Last name, Email ID, Phone no and the employee ID

Write query tha displays above details in the following format

Employee ID , Employee Full Name, Email ID , Contact Numeber */

select employee_id as 'Employee ID',concat(first_name,' ',last_name) as 'Employee Full Name' ,email as 'Email ID', phone_number as 'Contact Number' from hr.employees;

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	Employee ID	Employee Full Name	Email ID	Contact Number
▶	100	Steven King	SKING	515.123.4567
	101	Neena Kochhar	NKOCHHAR	515.123.4568
	102	Lex De Haan	LDEHAAN	515.123.4569
	103	Alexander Hunold	AHUNOLD	590.423.4567
	104	Bruce Ernst	BERNST	590.423.4568
	105	David Austin	DAUSTIN	590.423.4569
	106	Valli Pataballa	VPATABAL	590.423.4560
	107	Diana Lorentz	DLORENTZ	590.423.5567
	108	Nancy Greenberg	NGREENBE	515.124.4569
	109	Daniel Faviyet	DFAVIET	515.124.4169
	110	John Chen	JCHEN	515.124.4269
	111	Ismael Sciarra	ISCIARRA	515.124.4369
	112	Jose Manuel Urman	JMURMAN	515.124.4469

/* Task 8 : Identify top three department that have highest CTC */

select department_id, avg(salary) from hr.employees

group by department_id

order by 2 desc

limit 3;

Result Grid			Filter Rows:	Export:	Wrap Cell Content:	Fetch rows:
	department_id	avg(salary)				
▶	90	19333.333333				
	110	10150.000000				
	70	10000.000000				

-- or

select department_name, avg(salary) from hr.departments,hr.employees

where departments.department_id=employees.department_id

group by department_name

order by 2 desc

limit 3;

Result Grid			Filter Rows:	Export:	Wrap Cell Content:	Fetch rows:
	department_name	avg(salary)				
▶	Executive	19333.333333				
	Accounting	10150.000000				
	Public Relations	10000.000000				

/* Task 9 : The HR department wants to see the details of the clerical grade employees. */

select * from employees where job_id like '%CLERK%';

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	department_id
▶	115	Alexander	Khoo	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	KCOLMENA	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
	126	Irene	Mikkilineni	IMIKKILI	650.124.1224	1998-09-28	ST_CLERK	2700.00	NULL	120	50
	127	James	Landry	JLANDRY	650.124.1334	1999-01-14	ST_CLERK	2400.00	NULL	120	50
	128	Steven	Markle	SMARKLE	650.124.1434	2000-03-08	ST_CLERK	2200.00	NULL	120	50
	129	Laura	Bissot	LBISSOT	650.124.5234	1997-08-20	ST_CLERK	3300.00	NULL	121	50
	130	Mozhe	Atkinson	MATKINSO	650.124.6234	1997-10-30	ST_CLERK	2800.00	NULL	121	50
	131	James	Marlow	JAMRLOW	650.124.7234	1997-02-16	ST_CLERK	2500.00	NULL	121	50
	132	TJ	Olson	TJOLSON	650.124.8234	1999-04-10	ST_CLERK	2100.00	NULL	121	50
	133	Jason	Mallin	JMALLIN	650.127.1934	1996-06-14	ST_CLERK	3300.00	NULL	122	50

/* TASK 10 : The HR department wants to find count of clerical grade employees & their average salary */

select count(*) , avg(salary) from employees where job_id like '%CLERK%';

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	count(*)	avg(salary)
▶	45	2975.555556

/* Task 11 : List the department that have employee salaries ranging from \$7000 to \$10000, along with the count of employees having those salaries */

select count(*),department_id from hr.employees

where salary between 7000 and 10000

group by department_id;

Result Grid

Filter Rows:

Export

	count(*)	department_id
▶	1	NULL
	3	50
	1	60
	1	70
	21	80
	4	100
	1	110

-- or

```
select count(employee_id), department_name from hr.employees,hr.departments
```

```
where employees.department_id=departments.department_id and salary between 7000 and 10000
```

```
group by department_name;
```

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	count(employee_id)	department_name			
▶	1	IT			
	4	Finance			
	3	Shipping			
	21	Sales			
	1	Public Relations			
	1	Accounting			