

Questions:

1. "Name of employee work in deptno with the job_id" use last_name coloum
2. Employees who joined in the year 2000
3. Employees who joined in after jan_1996
4. Employess whose name starts between 'S' to 'R'
5. Employees who works under manger_id (200,201)
6. Employees who are "REP"(representatives) or "MAN"(salesmans) and who are paid more than 6000
7. Calculate annual salary of each employee and print them in descending order
8. Replace the last_name of "Landry" to "JOE" in the employee table
9. Find the position of first occurance of the character 'o' in the last_name of all employees who have 'o' in their last_name.
10. Prefix "2020_B84" for employee last_names who works in department 90
11. Find the current date with local date and time
12. Find the average commission paid for all the employees (ignoring the null entries)
13. Find the average and highest salary paid for department 80,90,100
14. Find the department id where the highest paid employee salary is more than 1000.
15. Find the department id who is paid the maximum average salary in the organization: use subqueries
16. Find the departmentname and loaction_id in which 'Ernst' work.
17. Find all the employee names who work in "Tokyo" city (use subqueries , table used : employees, departments, locations)
18. Find the employee names who are the maximum paid salary in the organization
19. Find the employees who are drawing minimum salary in their respective departments

(Use the jobs table for getting the min salary and use subquries)

20. Find the employee names and their job_id and job_titles by joining employee and jobs table

Answers:-

- 1) select concat(last_name," works in ", department_id," with the " ,job_id) from employees;

	concat(last_name," works in ", department_id," with the " ,job_id)
►	King works in 90 with the AD_PREs
	Kochhar works in 90 with the AD_VP
	De Haan works in 90 with the AD_VP
	Hunold works in 60 with the IT_PROG

- 2) select last_name,employee_id,hire_date from employees where date_format(hire_date,'%Y')=2000;

	last_name	employee_id	hire_date
▶	Markle	128	2000-03-08
	Philtanker	136	2000-02-06
	Zlotkey	149	2000-01-29
	Marvins	164	2000-01-24
	Lee	165	2000-02-23

employees 7 ×

3) select employee_id,last_name,hire_date,date_format(hire_date,"%b") "hire_month" from employees where date_format(hire_date,'%Y')>='1996';

	employee_id	last_name	hire_date	hire_month
▶	105	Austin	1997-06-25	Jun
	106	Pataballa	1998-02-05	Feb
	107	Lorentz	1999-02-07	Feb
	110	Chen	1997-09-28	Sep
	111	Sciarra	1997-09-30	Sep

4) select concat(first_name," ",last_name) from employees where first_name like 'S%' or last_name like 'S%';

	concat(first_name," ",last_name)
▶	Sundar Ande

5) select last_name, manager_id from employees where (manager_id=200 or manager_id=201);

	last_name	manager_id
▶	Fay	201

6) select last_name,job_id,salary from employees where ((job_id='SA_REP') OR (job_id='AD_REP')) AND (salary>6000));

	last_name	job_id	salary
	Tuvault	SA_REP	7000.00
	King	SA_REP	10000.00
	Sully	SA_REP	9500.00
	McEwen	SA_REP	9000.00
	Smith	SA_REP	8000.00

employees 42 ×

7) select employee_id,last_name,salary*12 "anual sal" from employees order by salary desc;

	employee_id	last_name	anual sal
▶	100	King	288000.00
	101	Kochhar	204000.00
	102	De Haan	204000.00
	145	Russell	168000.00

Result 44 ×

8) select last_name,replace(last_name,'Landry','JOE') from employees where last_name='Landry';

	last_name	replace(last_name,'Landry','JOE')
▶	Landry	JOE

9) select last_name,instr(last_name,'o') from employees;

	last_name	instr(last_name,'o')
▶	King	0
	Kochhar	2
	De Haan	0
	Hunold	4
	Ernst	0

Result 51 ×

10) select concat("2021_BC84",last_name) prifixed,department_id from employees where department_id=90;

	prifixed	department_id
▶	2021_BC84King	90
	2021_BC84Kochhar	90
	2021_BC84De Haan	90

11) select curdate();

	curdate()
▶	2021-09-16

12) select employee_id,avg(commission_pct) from employees group by employee_id ;

employee_id	avg(commission)
145	0.400000
146	0.300000
147	0.300000
148	0.300000
149	0.200000
150	0.300000
151	0.250000
152	0.250000
153	0.200000

Result 68 x

13) select department_id,avg(salary),max(salary) from employees where department_id>=80 and department_id<=100 group by department_id;

department_id	avg(salary)	max(salary)
80	8955.882353	14000.00
90	19333.333333	24000.00
100	8600.000000	12000.00

14) select department_id,max(salary) from employees group by department_id having max(salary)>1000 ;

department_id	max(salary)
40	6500.00
50	8200.00
60	9000.00
70	10000.00
80	14000.00

Result 88 x

15) select max(a_sal),department_id from (select (avg(salary)) a_sal,department_id from employees group by department_id) as a_dep where department_id is not null ;

max(a_sal)	department_id
19333.333333	10

16) select location_id,department_name from departments where department_id=(select department_id from employees where last_name='Ernst') ;

location_id	department_name
1400	IT

17) select last_name from employees where department_id=(select department_id from departments where location_id=(select location_id from locations where city='Tokyo'));

18) select last_name,max(salary) from employees;

	last_name	max(salary)
▶	King	24000.00

19) select last_name,department_id,job_id,job_title,min(min_salary) from (select e.last_name,e.department_id,e.job_id,j.job_title,j.min_salary from employees e inner join jobs j on e.job_id=j.job_id)as joined group by department_id;

	last_name	department_id	job_id	job_title	min(min_salary)
▶	Gietz	110	AC_ACCOUNT	Public Accountant	4200
	Whalen	10	AD_ASST	Administration Assistant	3000
	King	90	AD PRES	President	15000
	Faviet	100	FI_ACCOUNT	Accountant	4200
	Mavris	40	HR REP	Human Resources Reepresentative	4000

Result 112 ✕

20) select e.last_name,e.department_id,e.job_id,j.job_title from employees e inner join jobs j on e.job_id=j.job_id;

	last_name	department_id	job_id	job_title
▶	Gietz	110	AC_ACCOUNT	Public Accountant
	Higgins	110	AC_MGR	Accounting Manager
	Whalen	10	AD_ASST	Administration Assistant
	King	90	AD PRES	President
	Kochhar	90	AD VP	Administration Vice President

Result 113 ✕

