Use DQL statements to print the details of employees to give the following output:

1. “Name of employee work in deptno with the job_Id” use last_name coloum
2. Employees who joined in the year 2000
3. Emploees 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 loacation_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

1. select concat(last_name, ' Works in department ',department_id,' 2020_B84') from employees where department_id=90;

concat(last_name, ' Works in department ',department_id,' 2020_B84')
King Works in department 90 2020_B84
Kochhar Works in department 90 2020_B84
De Haan Works in department 90 2020_B84

2. select employee_id,first_name,hire_date from employees where date_format(hire_date,"%Y") = '2000';

employee_id	hire_date
128	2000-03-08
136	2000-02-06
149	2000-01-29
164	2000-01-24
165	2000-02-23
166	2000-03-24

3. select employee_id,last_name,hire_date,date_format(hire_date,"%b") from employees where hire_date>'1996-01-31';

employee_id	last_name	hire_date	date_format(hire_date,"%b")
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 last_name from employees where (last_name like "s%") or (last_name like "r%");

last_name
Sciarra
Raphaely
Rogers
Stiles
Seo

5. select employee_id, first_name,manager_id from employees where manager_id = 200 or manager_id = 201;

employee_id	first_name	manager_id
202	Pat	201
NULL	NULL	NULL

6. select employee_id,first_name,job_id from employees where (salary>6000 and ((job_id like "%REP%") or (job_id like "%MAN%")));

employee_id	first_name	job_id
114	Den	PU_MAN
120	Matthew	ST_MAN
121	Adam	ST_MAN
122	Payam	ST_MAN
123	Shanta	ST_MAN
145	John	SA_MAN
146	Karen	SA_MAN
147	Alberto	SA_MAN
148	Gerald	SA_MAN
149	Eleni	SA_MAN

7. select employee_id,salary*12 from employees order by salary*12 desc;

employee_id	salary*12
100	288000.00
101	204000.00
102	204000.00
145	168000.00
146	162000.00
201	156000.00
108	144000.00
147	144000.00
205	144000.00
168	138000.00

8. select employee_id,first_name,last_name,replace(last_name,last_name,"JOE") from employees where last_name = "Landry";

employee_id	first_name	last_name	replace(last_name,last_name,"JOE")
127	James	Landry	JOE

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

	employee_id	last_name	instr(last_name,'o')
▶	100	King	0
	101	Kochhar	2
	102	De Haan	0
	103	Hunold	4
	104	Ernst	0

10. select department_id, last_name,concat(last_name, ' Works in department ',department_id,' 2020_B84') from employees where department_id=90;

	department_id	last_name	concat(last_name, ' Works in department ',department_id,' 2020_B84')
▶	90	King	King Works in department 90 2020_B84
	90	Kochhar	Kochhar Works in department 90 2020_B84
	90	De Haan	De Haan Works in department 90 2020_B84

11. select current_timestamp();

	current_timestamp()
▶	2021-09-16 18:08:57

12. select avg(commission_pct) from employees;

	avg(commission_pct)
▶	0.222857

13. select max(sal),d from (select avg(salary) sal,department_id d from employees where department_id in(80,90,100) group by department_id) as d;

	max(sal)	d
▶	19333.333333	80

14. select employee_id e,department_id,max(salary) s from employees group by department_id;

	department_id	employee_id	salary
▶	20	201	13000.00
	20	202	6000.00
*	NULL	NULL	NULL

15. select max(sal) from (select avg(salary) sal from employees group by department_id) as d;

	max(sal)
▶	19333.333333

16. select department_name, location_id from departments where department_id = (select department_id from employees where last_name = "ernst");

	department_name	location_id
▶	IT	1400

17. select first_name, 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 employee_id, first_name from employees where salary = (select max(salary) from employees);

	employee_id	first_name
▶	100	Steven
*	NULL	NULL

19. select employee_id, f, l,min,d_id from (select min(salary) min,employee_id, first_name f, last_name l,department_id d_id from employees group by department_id) emin;

	employee_id	f	l	min	d_id
▶	178	Kimberely	Grant	7000.00	NULL
	200	Jennifer	Whalen	4400.00	10
	201	Michael	Hartstein	6000.00	20
	114	Den	Raphaely	2500.00	30
	203	Susan	Mavris	6500.00	40

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

job_id	job_title	min_salary	max_salary
AC_ACCOUNT	Public Accountant	4200	9000
AC_MGR	Accounting Manager	8200	16000
AD_ASST	Administration Assistant	3000	6000
AD_PRES	President	20000	40000
AD_VP	Administration Vice President	15000	30000