6. SELECT first_name, last_name, TO_CHAR (hire_date, 'dd MONTH yyyy') AS HDATE
FROM HR.EMPLOYEES
where first_name LIKE '_l%'

7. SELECT first_name, last_name, TO_CHAR (hire_date, 'dd MONTH yyyy'),
commission_pct
FROM HR.EMPLOYEES
where commission_pct is null
and hire_date between '01 JANUARY 2007' and '08 OCTOBER 2022'

8. SELECT DISTINCT SALARY, DEPARTMENT_ID FROM HR.EMPLOYEES
WHERE DEPARTMENT_ID = (SELECT DEPARTMENT_ID from HR.Departments where
DEPARTMENT_NAME = 'IT')

9. SELECT DEPARTMENT_ID, FIRST_NAME, SALARY, commission_pct, (SALARY +
NVL(commission_pct,0)) AS INCOME
FROM HR.EMPLOYEES
WHERE DEPARTMENT_ID = (SELECT DEPARTMENT_ID FROM HR.DEPARTMENTS
WHERE DEPARTMENT_NAME = 'Sales')
ORDER BY INCOME

10. SELECT FIRST_NAME, LAST_NAME,(SALARY + NVL(commission_pct,0)) AS
INCOME, TO_CHAR (hire_date, 'dd MONTH yyyy') AS HDATE,
CASE
when DEPARTMENT_ID = 10 then 'Administration'
when DEPARTMENT_ID = 20 then 'Marketing'
when DEPARTMENT_ID = 30 then 'Purchasing'
when DEPARTMENT_ID = 40 then 'Human Resources'
when DEPARTMENT_ID = 50 then 'Shipping'
when DEPARTMENT_ID = 60 then 'IT'
when DEPARTMENT_ID = 70 then 'Public Relations'
when DEPARTMENT_ID = 80 then 'Sales'
when DEPARTMENT_ID = 90 then 'Executive'
when DEPARTMENT_ID = 100 then 'Finance'
when DEPARTMENT_ID = 110 then 'Accounting'
when DEPARTMENT_ID = 120 then 'Treasury'
when DEPARTMENT_ID = 130 then 'Corporate Tax'
else 'Unknown_department'
END AS DEPT
FROM HR.EMPLOYEES
WHERE hire_date between '01 JANUARY 2007' and '08 OCTOBER 2022'
ORDER BY INCOME DESC

11. SELECT employee_id, FIRST_NAME, LAST_NAME, (SALARY/10000*100) AS PERC

FROM HR.EMPLOYEES

WHERE DEPARTMENT_ID = (SELECT DEPARTMENT_ID from HR.Departments
where DEPARTMENT_NAME = 'IT')

12. Select FIRST_NAME,LAST_NAME, to_char(HIRE_DATE, 'dd MON yyyy') as HIRE_DATE
from HR.Employees
where regexp_like(HIRE_DATE, '[A-J]{3}')

13. SELECT DEPARTMENT_NAME, CITY
FROM HR.DEPARTMENTS DEP
JOIN HR.LOCATIONS LOC ON DEP.LOCATION_ID = LOC.LOCATION_ID
ORDER BY DEP.DEPARTMENT_NAME

14. SELECT DEPARTMENT_NAME, CITY, COUNTRY_NAME
FROM ((HR.LOCATIONS
JOIN HR.DEPARTMENTS ON HR.DEPARTMENTS.LOCATION_ID =
HR.LOCATIONS.LOCATION_ID)
JOIN HR.COUNTRIES ON HR.LOCATIONS.COUNTRY_ID =
HR.COUNTRIES.COUNTRY_ID)
ORDER BY DEPARTMENT_NAME

15. SELECT HR.employees.first_name, HR.employees.last_name,
HR.countries.country_name, to_char (hire_date, 'yyyy')
FROM HR.employees
join HR.departments ON HR.employees.department_id =
HR.departments.department_id
join HR.locations ON HR.departments.location_id = HR.locations.location_id
join HR.countries ON HR.locations.country_id = HR.countries.country_id
where to_char (hire_date, 'yyyy') > '2006'

16.

17.

18 решение:

```
select department_id
from  hr.employees
group  by department_id
having count(*) <= 3
```

19 решение

```
select emp_a.* from hr.employees emp_a
left join hr.employees emp_b on (emp_a.DEPARTMENT_ID = emp_b.DEPARTMENT_ID and
emp_a.MANAGER_ID = emp_b.MANAGER_ID)
where emp_b.MANAGER_ID is null
```

20 решение

```
WITH dep_salary AS
```

```
(SELECT department_id, sum(salary) AS salary
FROM hr.employees
GROUP BY department_id)
SELECT department_id
FROM hr.dep_salary
WHERE dep_salary.salary = (SELECT max(salary) FROM dep_salary)
```