1. Create a query to display unique department id from employees table.

Soln-select distinct department_id from employees

DEPARTMENT_ID
100
30
-
90

12 rows returned

2. Display the last name, salary and commission (Rs) for all employees whose commission amount is 20%.

select last_name, salary ,COMMISSION_PCT from employees where COMMISSION_PCT=0.20

LAST_NAME	SALARY	COMMISSION_PCT
Zlotkey	10500	.2
Olsen	8000	.2
Cambrault	7500	.2
Bloom	10000	.2

7 rows returned

3.WAQ to display Name, Dept_Id, TA, DA, HRA and Total Salary of all employees. Calculate TA = 15% of Salary, DA=40% of Salary, HRA = 32% of Salary. Calculate total salary as column heading "Gross Salary".

select first_name ,Department_ID,SALARY,salary * 0.15 as "TA" ,salary * 0.40 as "DA",salary * 0.32 as "HRA",salary + salary * 0.15 +salary * 0.40 + salary * 0.32 AS GROSS_SALARY FROM EMPLOYEES

FIRST_NAME	DEPARTMENT_ID	SALARY	TA	DA	HRA	GROSS_SALARY
Steven	90	24000	3600	9600	7680	44880
Neena	90	17000	2550	6800	5440	31790
Lex	90	17000	2550	6800	5440	31790
Alexander	60	9000	1350	3600	2880	16830

107 rows returned

4.Display the last name and job title of all employees who have a manager.

select last_name job_title from employees where manager_id is not null

LAST_NAME	JOB_ID
Kochhar	AD_VP
De Haan	AD_VP
Hunold	IT_PROG
Ernst	IT_PROG

106 rows returned

5.Display the first name, last name, department id, salary and commission of all employees who earn commissions. Sort the data in ascending order of salary.

select first_name,last_name,department_id,salary ,commission_pct from employees where commission_pct is not null order by salary

FIRST_NAME	LAST_NAME	DEPARTMENT_ID	SALARY	COMMISSION_PCT
Sundita	Kumar	80	6100	.1
Amit	Banda	80	6200	.1
Charles	Johnson	80	6200	.1
Sundar	Ande	80	6400	.1

35 rows returned

6.Display the last name and dept_no of all employees in departments 30 and 50 in alphabetical order by last name.

SELECT last_name, department_id FROM employees WHERE department_id IN (30, 50) ORDER BY last_name

LAST_NAME	DEPARTMENT_ID
Atkinson	50
Baida	30
Bell	50
Bissot	50

51 rows returned

7. Display the employee last name, department id ,job id and hire date of employees hired between FEB 20,1998 and JUNE 1,1999.Order the query in descending order by hire date.

select last_name, department_id,job_id ,hire_date from employees where hire_date BETWEEN '20-FEB-1998' AND '01-JUNE-1999' ORDER BY hire_date DESC

LAST_NAME	DEPARTMENT_ID	JOB_ID	HIRE_DATE
Grant	-	SA_REP	24-MAY-99
Olson	50	ST_CLERK	10-APR-99
Bates	80	SA_REP	24-MAR-99
Greene	80	SA_REP	19-MAR-99

28 rows returned

8. Display the last name of all employees where the 2nd letter of the name is an "a".

 SELECT last_name FROM employees where first_name like '_a%'

LAST_NAME
Austin
Pataballa
Greenberg
Faviet

32 rows returned

9.Display the last name of all employees who have an "i" and an "o" in their last name.

SELECT last_name FROM employees WHERE last_name LIKE '%i%' AND last_name LIKE '%o%'

LAST_NAME
Tobias
Himuro
Bissot
Atkinson

7 rows returned

10.   Display the first name and hire date of all employees who have joined in year 99.

select last_name,hire_date from employees where hire_date like '%99'

LAST_NAME	HIRE_DATE
Lorentz	07-FEB-99
Popp	07-DEC-99
Colmenares	10-AUG-99
Mourgos	16-NOV-99

18 rows returned