**Where**:

Select d.DEPARTMENT\_ID, d.DEPARTMENT\_NAME, d.MANAGER\_ID, d.LOCATION\_ID, e.EMPLOYEE\_ID, e.FIRST\_NAME, e.LAST\_NAME from departments d, employees e **where** e.department\_id = d.department\_id;

**Alias**:

select salary+500 "Total Salary" from employees;

**Distinct**:

select distinct department\_id from employees;

**Descending-Order:**

select LAST\_NAME,EMAIL,PHONE\_NUMBER,HIRE\_DATE from employees order by hire\_date **desc**;

**Round**:

select salary, salary\*1.123456 sal, **round**(salary\*1.123456,2) round from employees;

**Modulus**:

select first\_name, last\_name, job\_id from employees where **MOD**(SALARY,18) = 6 AND SALARY<=10000;

**Concat**:

select **concat**('Hello ','World') concat from employees;

**Length**:

select first\_name, last\_name, **length**(concat(first\_name, last\_name)) length from employees;

**Lpad-Rpad:**

select **lpad**(salary,6,'\*') lpad, **rpad**(salary,6,'\*') rpad from employees;

**Replace**:

select first\_name || ' ' || last\_name name, **replace**(first\_name || ' ' || last\_name, 'David', 'Bale') replace from employees;

**Case-Sensitivity:**

select first\_name, last\_name from employees where **upper**(FIRST\_name) = 'DAVID' OR **lower**(LAST\_NAME) = 'king';

**Substr:**

select first\_name, last\_name, job\_id from employees where **substr**(job\_id,4,6) = 'MAN';

**Creating Table:**

create table **BBC** as select \* from hr.employees;

**NB:** where BBC = table name; hr = user name; employees = table will looks like.

**Table List:**

select USERNAME from DBA\_USERS;

**Group Function:**

select round(**avg**(salary)), **max**(salary), **min**(salary), **sum**(salary) from employees where job\_id like '%REP%';

**To Character:**

select (last\_name || ' earns ' || **to\_char**(salary,'$99,999.99') || ' Monthly but wants ' || to\_char(3\*salary,'$99999.99')) as "Dream Salaries" from employees;

**Subquery (Any):**

select LAST\_NAME, JOB\_ID, salary from employees where job\_id = **any** (select job\_id from employees where last\_name = 'King') **and** salary > any (select salary from employees where last\_name = 'King');

**Subquery (Having):**

select department\_id,min(salary) from employees group by department\_id having min(salary)>(select avg(salary) from employees where department\_id =80);

**Union With Null Column:**

select first\_name name, employee\_id,job\_id,salary from employees union select to\_char(null), employee\_id,job\_id,to\_number(null) from job\_history;