**create table employees(**

**employee\_id number primary key,**

**first\_name varchar2(20) default null,**

**last\_name varchar2(25) not null,**

**email varchar2(25) not null,**

**phone\_number varchar2(20) default null,**

**hire\_date date not null,**

**job\_id varchar2(10),**

**salary number default null,**

**commission\_pct number default null,**

**manager\_id number default null,**

**department\_id number**

**);**

**\**

**create table region(**

**region\_id number primary key,**

**region\_name varchar2(25)**

**);**

**create table countries(**

**country\_id char(2) primary key,**

**country\_name varchar2(40),**

**region\_id number references region(region\_id)**

**);**

**create table countries(**

**country\_id char(2) primary key,**

**country\_name varchar2(40),**

**region\_id number references region(region\_id)**

**);**

**create table location**

**(**

**Location\_id number primary key,**

**Street\_address varchar2(25),**

**Postal\_code varchar2(12),**

**City varchar2(30),**

**State\_province varchar2(12),**

**Country\_id char(2) references countries(country\_id)**

**);**

**create table department**

**(**

**Department\_id number primary key,**

**Department\_name varchar2(30),**

**Manager\_id number,**

**Location\_id number references location(Location\_id)**

**);**

**create table jobs**

**(**

**Job\_id varchar2(10) primary key,**

**Job\_tile varchar2(35),**

**Min\_salary number,**

**Max\_salary number**

**);**

**INSERT INTO EMPLOYEES VALUES (100,'Steven','King','Sking','515.123.4567','17-JUN-03','AD\_PRES',24000,0,0,90)**

**INSERT INTO EMPLOYEES VALUES (101,'Neena','Kochhar','Nkochhar','515.123.4568','21-SEP-05','AD\_VP',17000,0,100,90)**

**INSERT INTO EMPLOYEES VALUES (102,'Lex','De Haan','Ldehaan','515.123.4569','13-JAN-01','AD\_VP',17000,0,100,90)**

**INSERT INTO EMPLOYEES VALUES (103,'Alexander','Hunold','Ahunold','590.423.4567','13-JAN-06','IT\_PROG',9000,0,102,60)**

**INSERT INTO EMPLOYEES VALUES (104,'Bruce','Ernst','Bernst','590.423.4568','21-MAY-07','IT\_PROG',6000,0,103,60)**

**INSERT INTO EMPLOYEES VALUES (105,'David','Austin','Daustin','590.423.4569','25-JUN-05','IT\_PROG',4800,0,103,60)**

**INSERT INTO EMPLOYEES VALUES (106,'Valli','Pataballa','Vpatabal','590.423.4560','05-FEB-06','IT\_PROG',4800,0,103,60)**

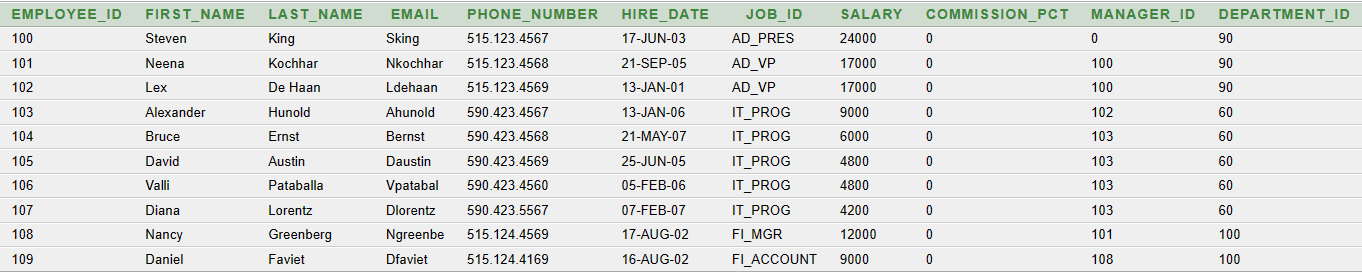
**INSERT INTO EMPLOYEES VALUES (107,'Diana','Lorentz','Dlorentz','590.423.5567','07-FEB-07','IT\_PROG',4200,0,103,60)**

**INSERT INTO EMPLOYEES VALUES (108,'Nancy','Greenberg','Ngreenbe','515.124.4569','17-AUG-02','FI\_MGR',12000,0,101,100)**

**INSERT INTO EMPLOYEES VALUES (109,'Daniel','Faviet','Dfaviet','515.124.4169','16-AUG-02','FI\_ACCOUNT',9000,0,108,100)**

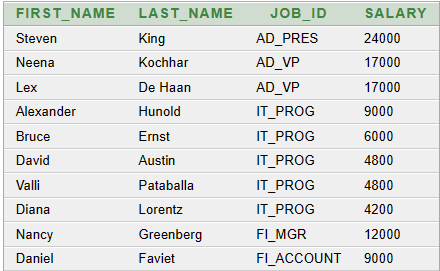
**QUERY3:**

**SELECT\*FROM EMPLOYEES**

****

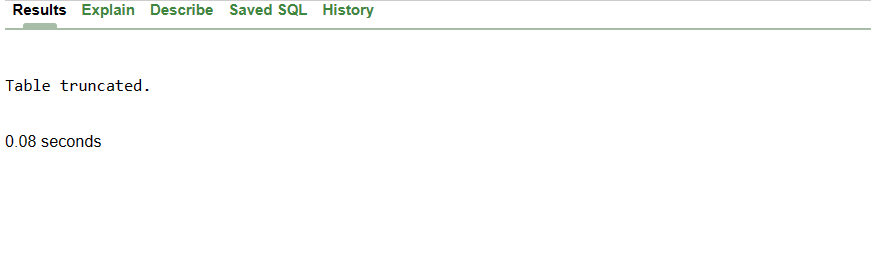
**QUERY4:**

**SELECT FIRST\_NAME, LAST\_NAME, JOB\_ID, SALARY FROM EMPLOYEES**

****

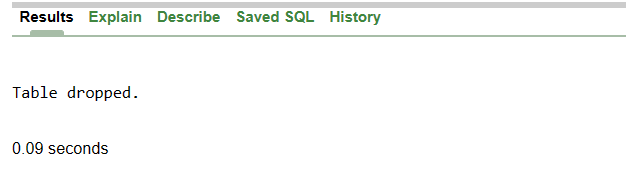
**QUERY5:**

**TRUNCATE TABLE EMPLOYEES**

****

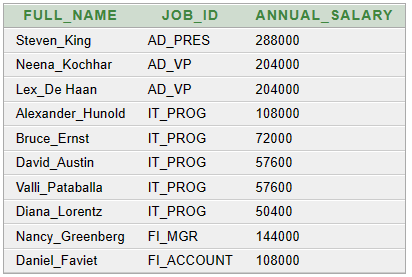
**QUERY6:**

**DROP TABLE EMPLOYEES**

****

**QUERY9:**

**SELECT FIRST\_NAME||'\_'||LAST\_NAME as full\_name ,JOB\_ID,SALARY\*12 as annual\_salary from EMPLOYEES ;**

****

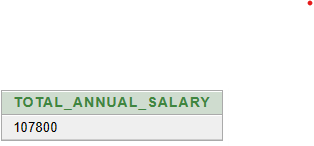
**QUERY10:**

**SELECT COUNT(EMPLOYEE\_ID) as Total\_number\_of\_Employees from EMPLOYEES**

****

**QUERY11:**

**SELECT SUM(SALARY) as Total\_Annual\_Salary from EMPLOYEES;**

****

**QUERY12:**

**SELECT max(SALARY) from EMPLOYEES; #Max Salary**

**SELECT min(SALARY) from EMPLOYEES; #Min Salary**

****

****

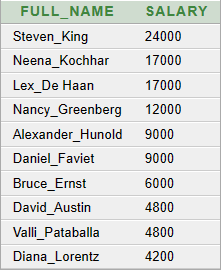
**QUERY13:**

**SELECT FIRST\_NAME||'\_'||LAST\_NAME as full\_name,SALARY from EMPLOYEES ORDER BY SALARY ;**

****

**QUERY14:**

**SELECT FIRST\_NAME||'\_'||LAST\_NAME as full\_name,SALARY from EMPLOYEES ORDER BY SALARY desc;**

****

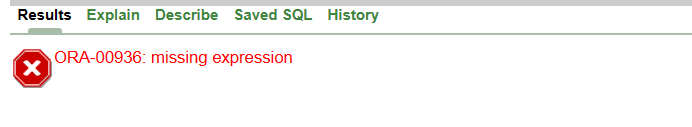
**QUERY15:**

**SELECT FIRST\_NAME||'\_'||LAST\_NAME as full\_name from EMPLOYEES ORDER BY full\_name;**

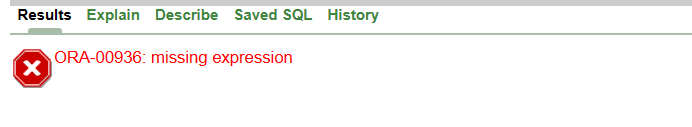
****

**(16) error :(**

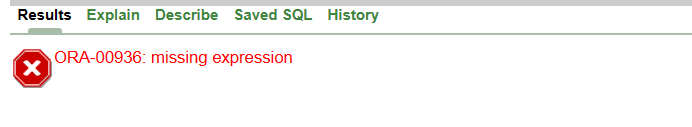
**SELECT EMPLOYEE\_ID,FIRST\_NAME||'\_'||LAST\_NAME as FULL\_NAME,DEPARTMENT\_ID,SALARY from EMPLOYEES ORDER BY FULL\_NAME ,DISTINCT DEPARTMENT\_ID, ORDER BY SALARY desc;**

****

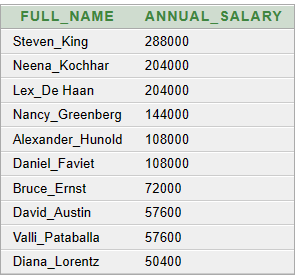
**SELECT EMPLOYEE\_ID,FIRST\_NAME||'\_'||LAST\_NAME as FULL\_NAME,DEPARTMENT\_ID,SALARY from EMPLOYEES ORDER BY FULL\_NAME , ORDER BY SALARY desc , DISTINCT DEPARTMENT\_ID ;**

****

**SELECT EMPLOYEE\_ID,FIRST\_NAME||'\_'||LAST\_NAME as FULL\_NAME,DEPARTMENT\_ID,SALARY, DISTINCT( FULL\_NAME) DEPARTMENT\_ID from EMPLOYEES group by DEPARTMENT\_ID ,ORDER BY FULL\_NAME ASC,SALARY desc , DEPARTMENT\_ID ASC ;**

****

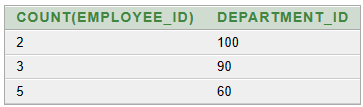
**(17)SELECT FIRST\_NAME||'\_'||LAST\_NAME as full\_name ,SALARY\*12 as annual\_salary from EMPLOYEES order by annual\_salary desc;**

****

**(18)SELECT count(EMPLOYEE\_ID),DEPARTMENT\_ID**

**from EMPLOYEES**

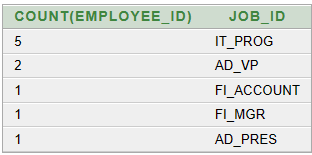
**group by DEPARTMENT\_ID**

****

**(19)SELECT count(EMPLOYEE\_ID),JOB\_ID**

**from EMPLOYEES**

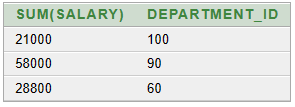
**group by JOB\_ID**

****

**(20)SELECT sum(salary),DEPARTMENT\_ID**

**from EMPLOYEES**

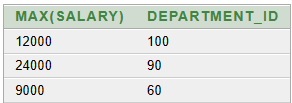
**group by DEPARTMENT\_ID**

****

**(21)SELECT max(SALARY),DEPARTMENT\_ID**

**from EMPLOYEES**

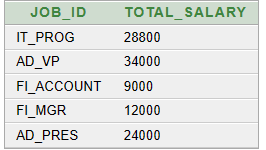
**group by DEPARTMENT\_ID**

****

**(22)SELECT JOB\_ID,sum(SALARY) as Total\_Salary**

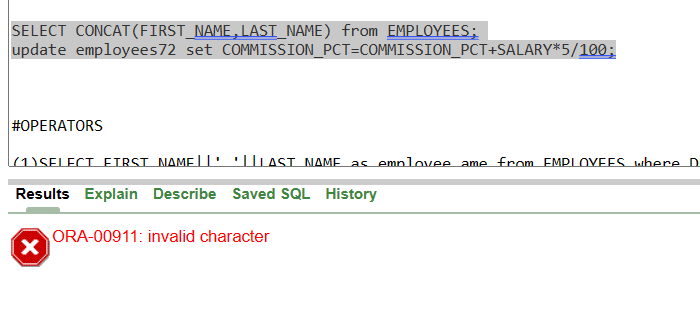
**from EMPLOYEES**

**group by JOB\_ID**

****

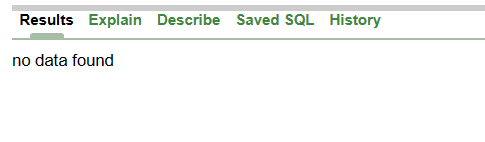
**SELECT CONCAT(FIRST\_NAME,LAST\_NAME) from EMPLOYEES;**

**update employees72 set COMMISSION\_PCT=COMMISSION\_PCT+SALARY\*5/100;**

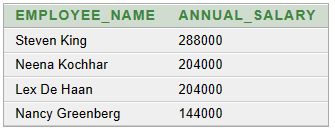
****

**#OPERATORS**

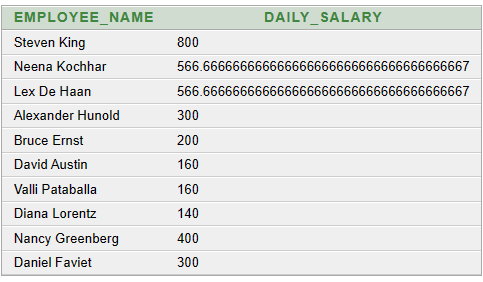
**(1)SELECT FIRST\_NAME||' '||LAST\_NAME as employee\_ame from EMPLOYEES where DEPARTMENT\_ID=20**

****

**(2)SELECT FIRST\_NAME||' '||LAST\_NAME as employee\_name , SALARY\*12 as annual\_salary from EMPLOYEES where SALARY >10000**

****

**(3)SELECT FIRST\_NAME||' '||LAST\_NAME as employee\_name , SALARY/30 as daily\_salary from EMPLOYEES where SALARY>100**

****

**(4)SELECT FIRST\_NAME||' '||LAST\_NAME as employee\_name from EMPLOYEES where DEPARTMENT\_ID!=20**

****

**(5)SELECT FIRST\_NAME||' '||LAST\_NAME as employee\_name,JOB\_ID from EMPLOYEES where JOB\_ID='AC\_MGR' and SALARY <5000 error**

****

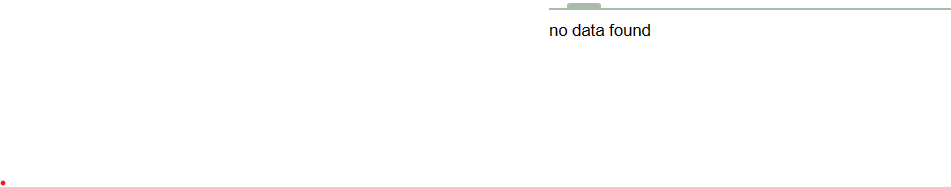
**(6)SELECT FIRST\_NAME||' '||LAST\_NAME as employee\_name,JOB\_ID,SALARY from EMPLOYEES where job\_id='FI\_ACCOUNT' and SALARY<20000**

****

**(7)SELECT FIRST\_NAME||' '||LAST\_NAME as employee\_name,JOB\_ID,SALARY from EMPLOYEES where job\_id='FI\_ACCOUNT' and SALARY between 5000 and 20000**

****

**(8)SELECT FIRST\_NAME||' '||LAST\_NAME as employee\_name,SALARY from EMPLOYEES where COMMISSION\_PCT!=0**

****

**(9)SELECT FIRST\_NAME||' '||LAST\_NAME as employee\_name,SALARY from EMPLOYEES**

**WHERE FIRST\_NAME IN ('John', 'Jane', 'Peter', 'David');**

****

**(10)SELECT FIRST\_NAME||' '||LAST\_NAME as employee\_name,JOB\_ID,SALARY from EMPLOYEES**

**WHERE JOB\_ID NOT IN ('PRESIDENT', 'MGR')**

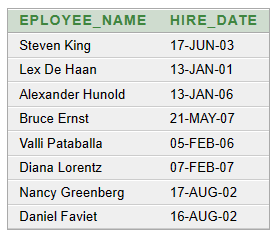
**ORDER BY salary ASC;**

****

**(11)SELECT FIRST\_NAME || ' ' || LAST\_NAME AS eployee\_name, hire\_date**

**FROM EMPLOYEES**

**WHERE hire\_date < '1-JAN-2005' OR hire\_date > '31-DEC-2005';**

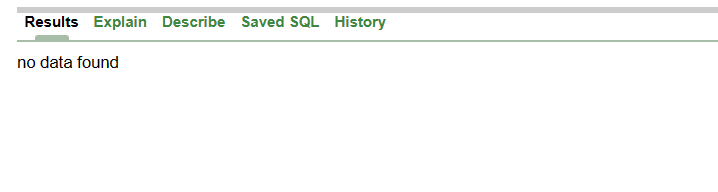
****

**(12)SELECT FIRST\_NAME || ' ' || LAST\_NAME AS eployee\_name, hire\_date**

**FROM EMPLOYEES**

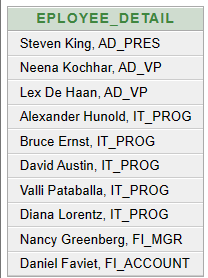
**WHERE hire\_date IN('1-JUL-2006','24-MAR-2007','04-JAN-2008')**

**ORDER BY HIRE\_DATE ASC;**

****

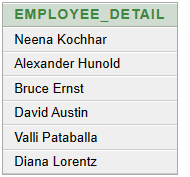
**(13)SELECT FIRST\_NAME || ' ' || LAST\_NAME||', '||JOB\_ID AS eployee\_detail**

**FROM EMPLOYEES**

****

**(14)SELECT FIRST\_NAME || ' ' || LAST\_NAME AS employee\_detail**

**FROM EMPLOYEES where hire\_date between '1-JAN-2004'AND'31-DEC-2008'**

****