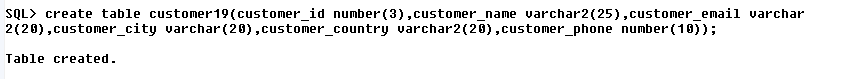
**ExNo.1** **Date:**06.12.17

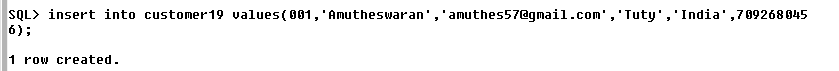
Creating tables and insert five records (Customer Details).

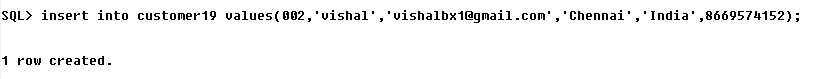
**Syntax:**

Create Table <table name>( Column\_Name Data\_type(Size));

**Output:**

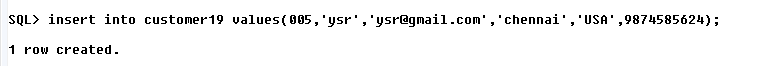
****

****

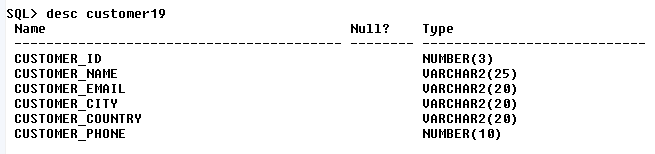
****

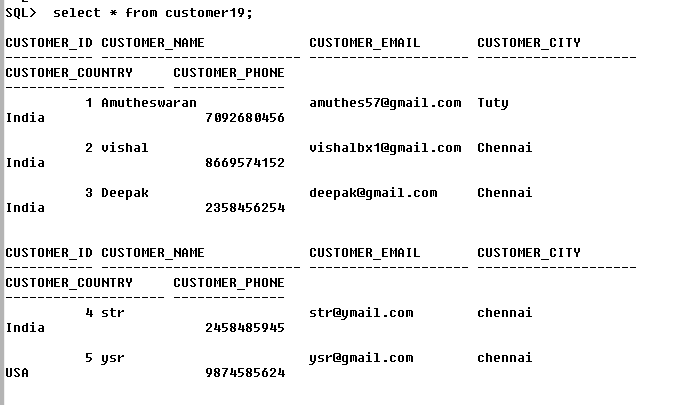
****

****

****

**Describe Table:**



**View Table:-**

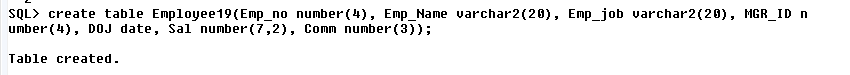
**ExNo.2** **Date:**07.12.17

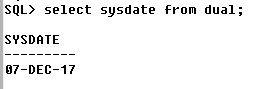
Creating tables and insert five records (Employee Details).

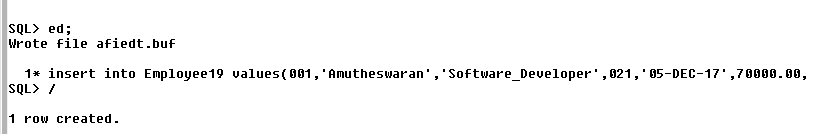
**Syntax:**

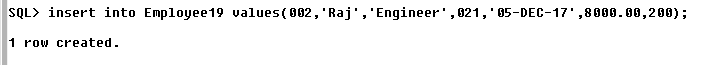
Create Table <table name>( Column\_Name Data\_type(Size));

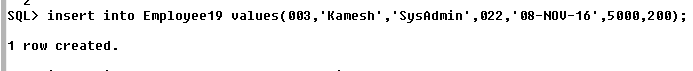
**Output:**

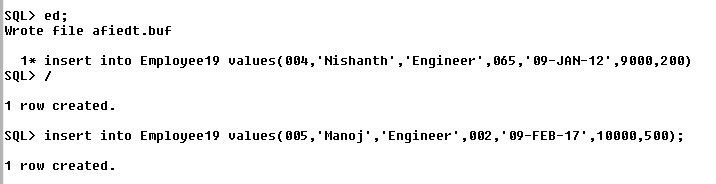
****

****

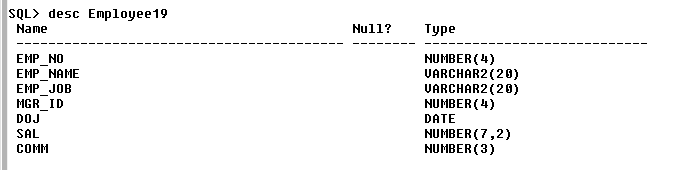
****

****

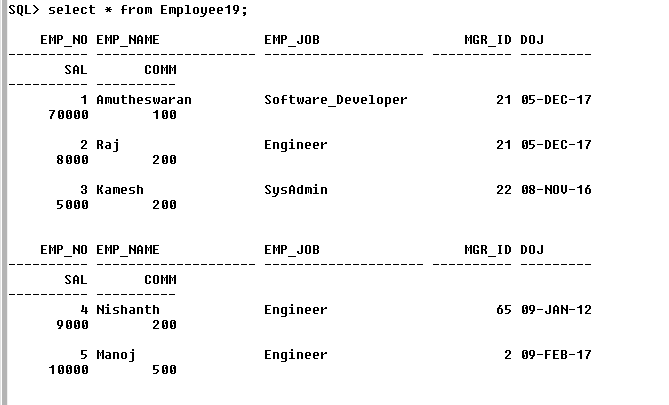
****

****

**Describe Table:**

****

**View Table:**

****

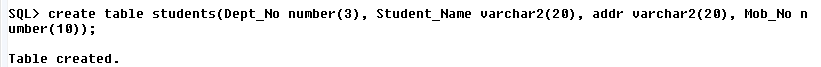
**ExNo.**3 **Date:**13.12.17

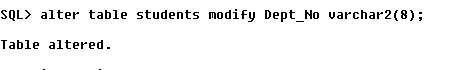
Changing the data type for of the single column.

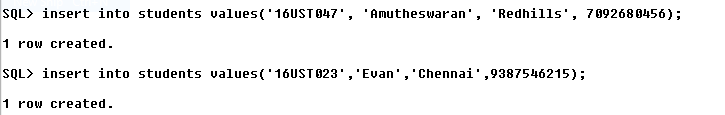
**Syntax:**

Alter table <table name> modify <column name> <new data type(size)>

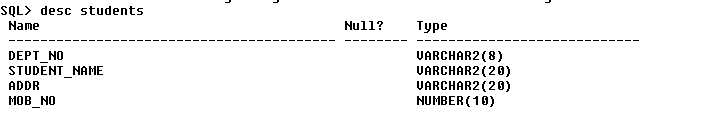
**Output:**

****

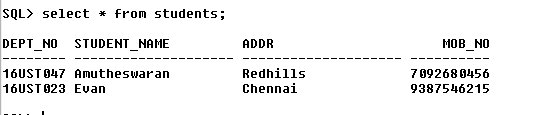




**Describe Table:**



**View Table:**



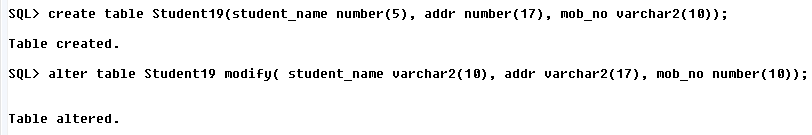
**ExNo.**4 **Date:**13.12.17

Changing the data type for of the multiple column.

**Syntax:**

altertable <table name> modify (column name1 new datatype(size) , column name2 new data type(size)…………….. )

**Output**



**ExNo.**5 **Date:**13.12.17

Adding column to the table for a single column

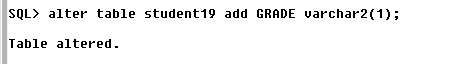
**Syntax:**

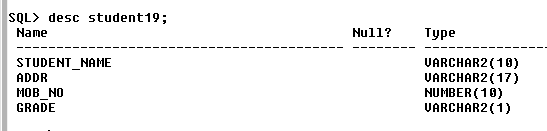
alter table students add GRADE varchar2(1);

desc students;

**Output:**

****

****

****

**Ex No.**6 **Date:**14.12.17

**For multiple column**

In student table to add column by name DOB date, SEX varchar2(1), Last\_Name varchar2(20);

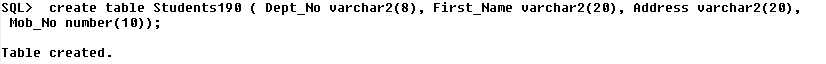
**SYNTAX:**

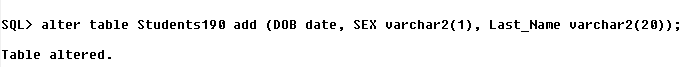
Alter table <table name> ADD (column name\_1 data type (size), column name\_2 data type(size)……)

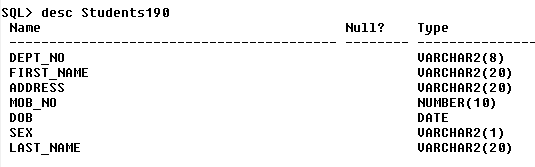
Alter table students add (DOB date, SEX varchar2(1), Last\_name varchar2(20));

Desc students;

**OUTPUT:**

****

****

****

**ExNo.**7 **Date:**14.12.17

Dropping / removing a column(s) from the table for single column

**SYNTAX:**

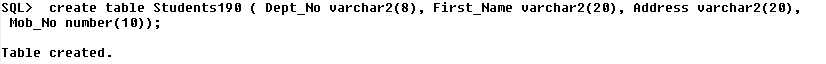
In student table, to drop a column Last\_Name

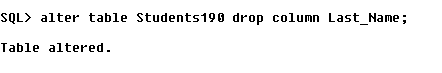
Alter table <students> drop column <column name>

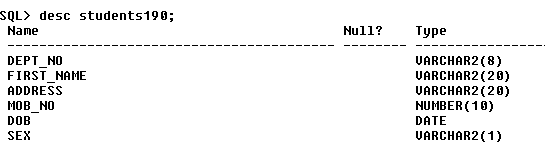
Alter table students drop column Last\_Name;

Desc students

**OUTPUT**

****

****

****

**ExNo.**8 **Date:**14.12.17

For multiple column

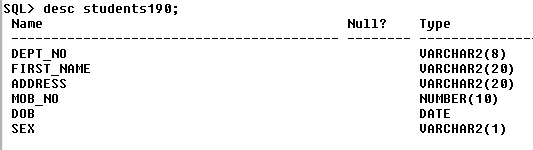
In students table, to drop a column DOB, SEX

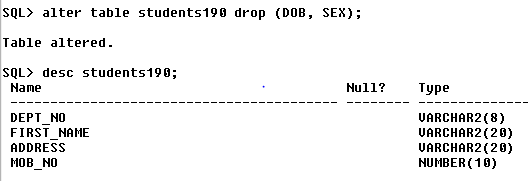
**SYNTAX:**

Alter table <table name> drop ( Column name1, column name2….)

Alter table drop (DOB, SEX);

**OUTPUT:**

****

****

**ExNo.**9 **Date:**14.12.17

Dropping the table.

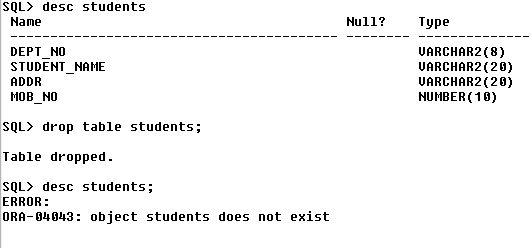
**SYNTAX**

Drop table <table name>

Drop table students;

Desc students;

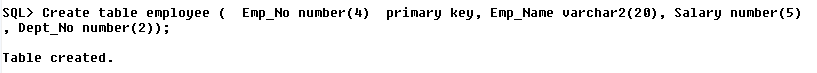
**OUTPUT:**

****

**ExNo.**10 **Date:**18.12.17

**Primary Key Constraint**

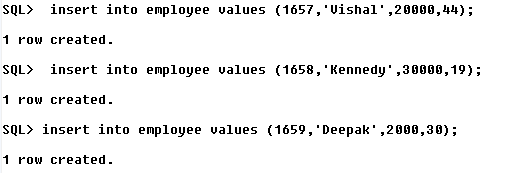
Create table <table name> ( Emp\_No number(4) primary key, Emp\_Name varchar2(20), Salary number(5), Dept\_No number(2));

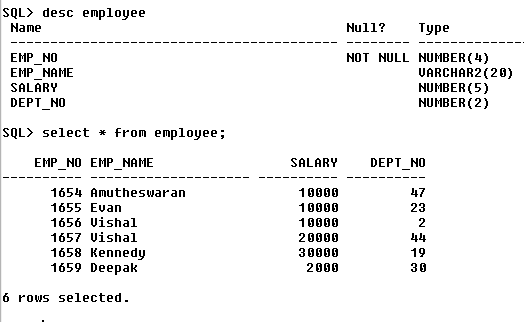
****

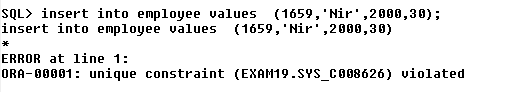
****

****

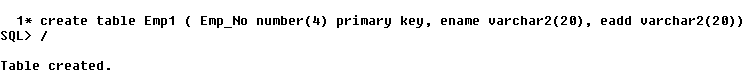
****

****

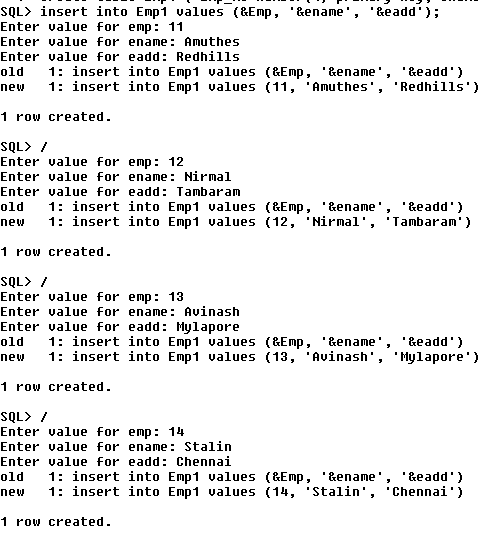
****

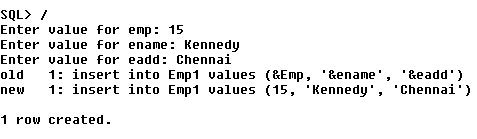
****

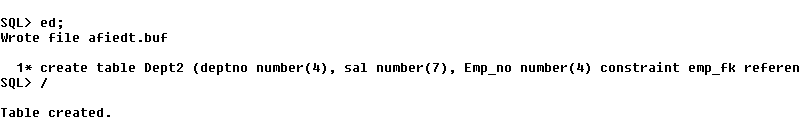
**Ex.No:**11 **Date:**20-12-17

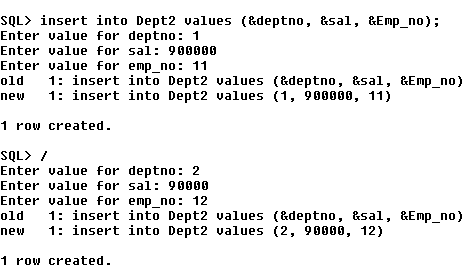
Foreign Key Or Reference Key

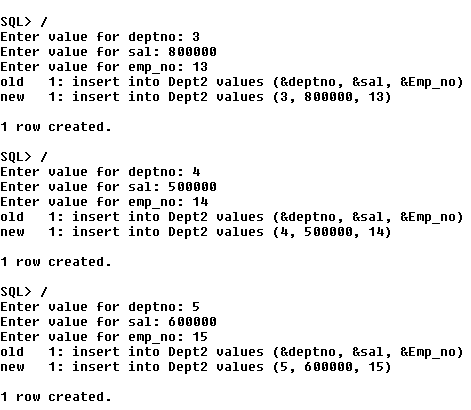


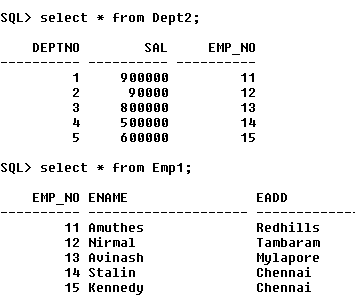


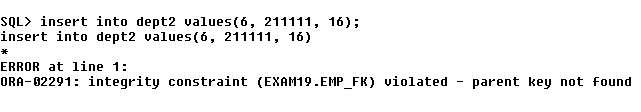




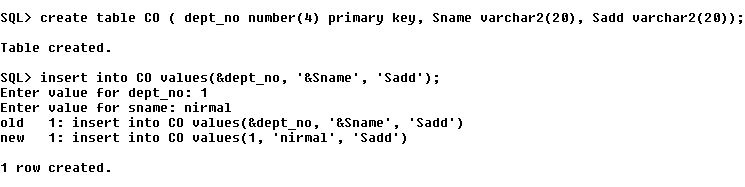


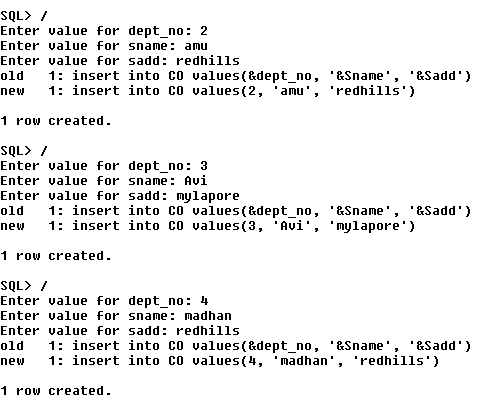


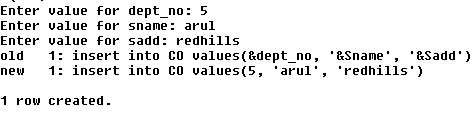




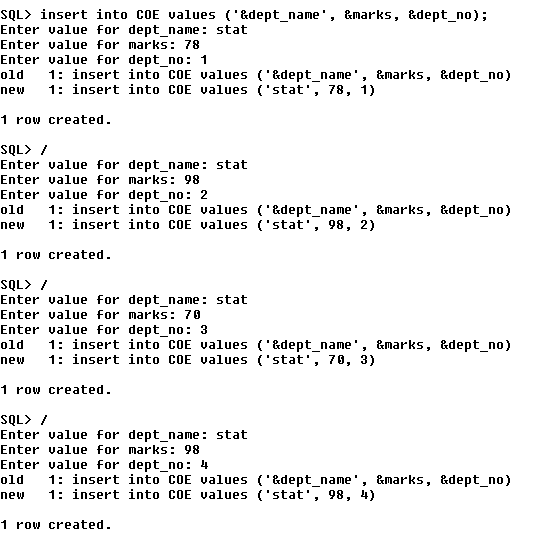
**Ex.No:**11B  **Date:**19-01-18

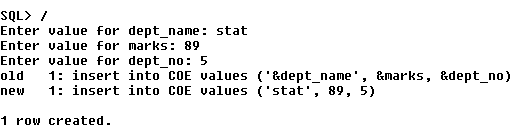


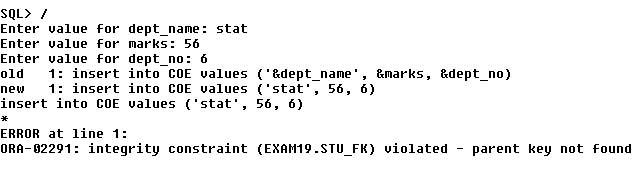


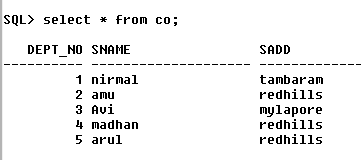








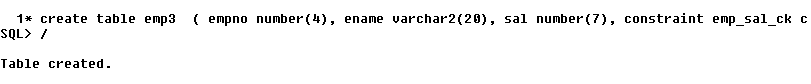


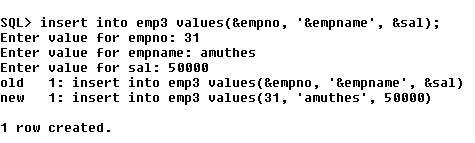


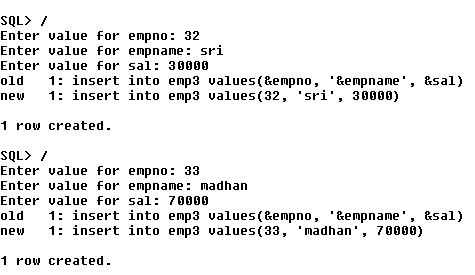
**Ex.No:**11C **Date:**22-01-18

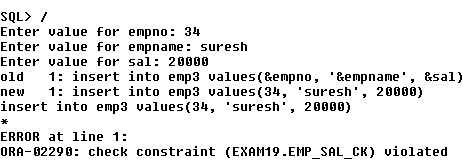
Check Constraint

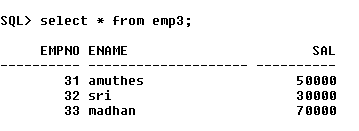
Create table emp (empno number(4) , ename varchar2(20), sal number(7), constraint emp\_ck





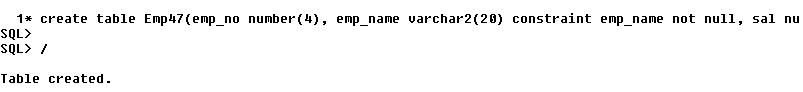


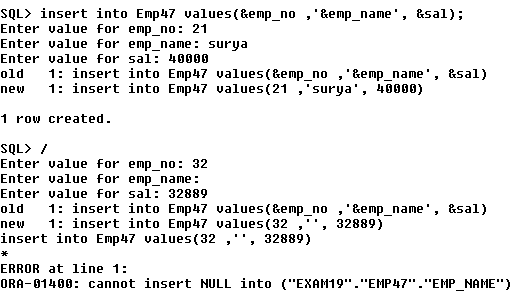






**Ex.No:**11D **Date:**25-01-18

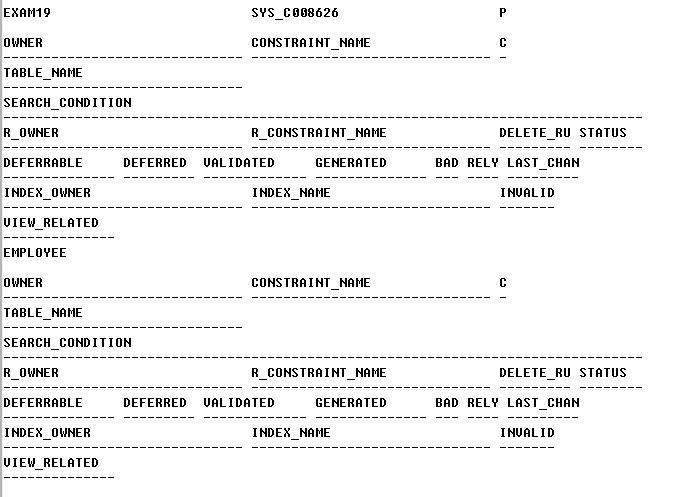




**Ex.No:**12 **Date:**19-01-18

View the constraints

Select \* from user\_constraints;



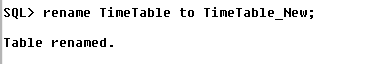
**Ex.No:**13 **Date:**19-01-18

Renaming The Table

**Syntax:**

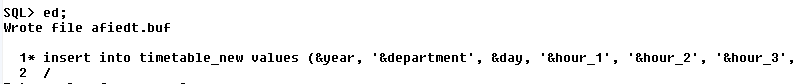
Rename old table name to new table name

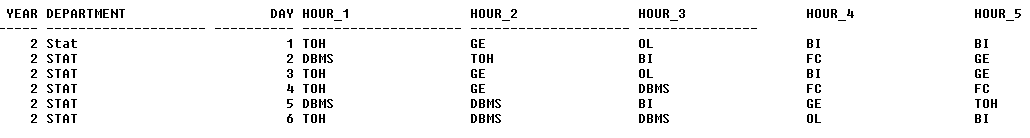
**Output:**

****

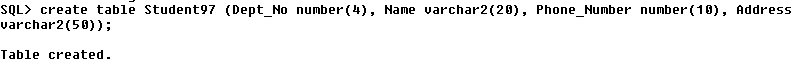
****

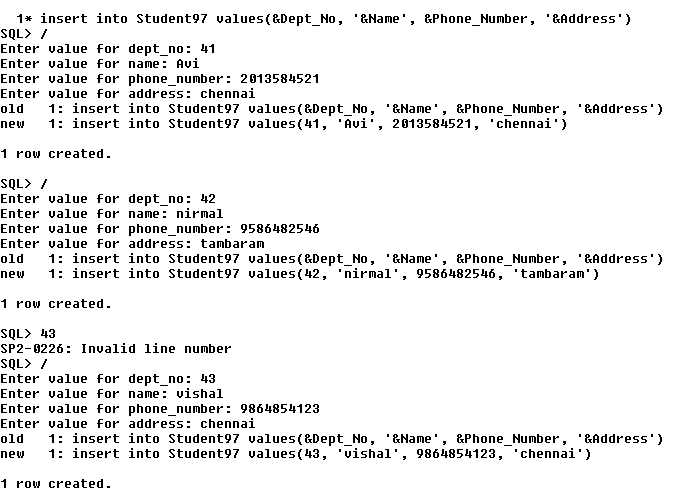
**Ex.No:**14 **Date:**19-01-18

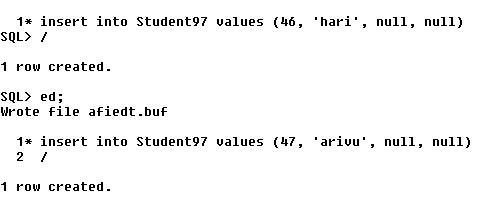
****

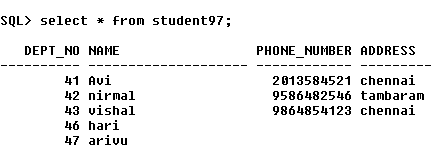
****

**Ex.No:**15 **Date:**29-01-18

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****

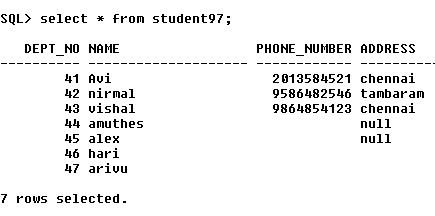
**Ex.No:**16 **Date**:29-01-18

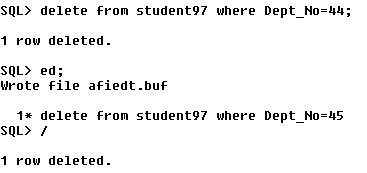
Transaction Control Language

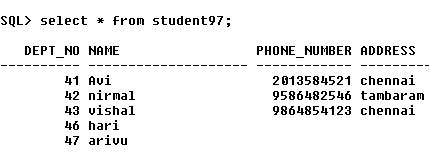
****

**Ex.No:**17 **Date:**29-01-18

Deleting A Row(s)

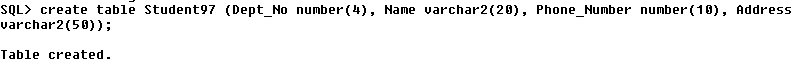
****

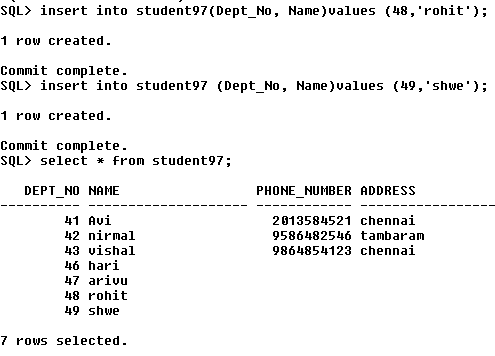
****

****

**Ex.No:**18  **Date:**29-01-18

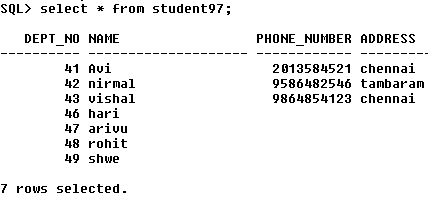
Inserting the values only few fields



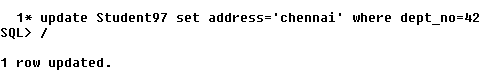
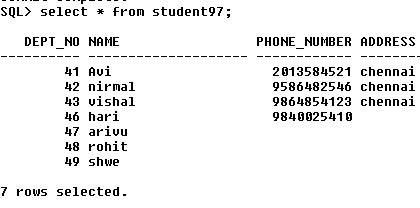
****

**Ex.No:**19 **Date:**29-01-18

Updating Single columns

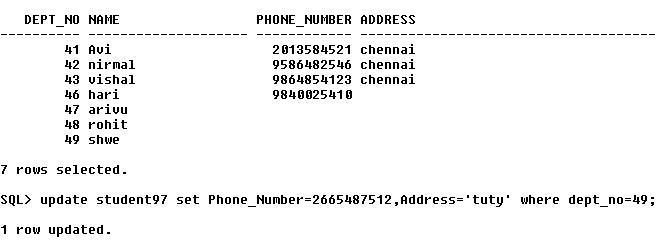
****

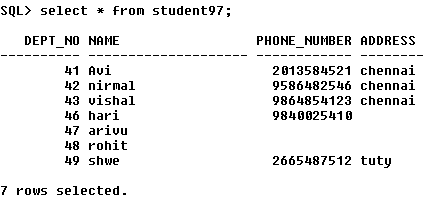
****

** **

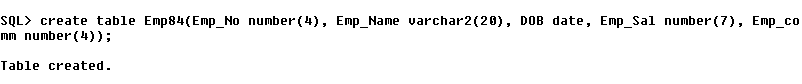
**Ex.No:**20 **Date:**29-01-18

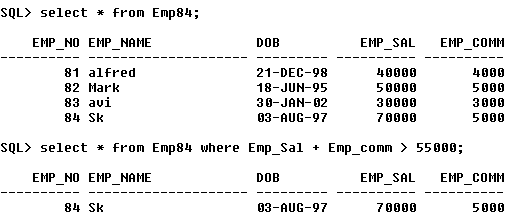
Updating Multiple columns

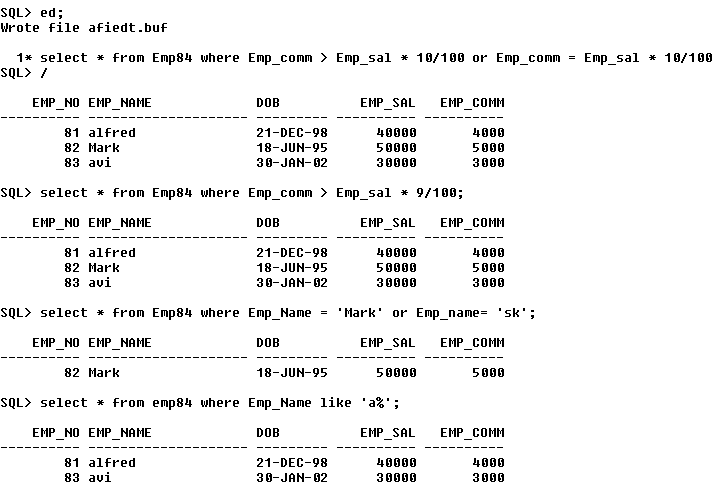
****

****

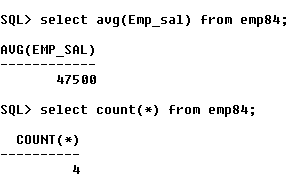
**Ex.No:**21 **Date:**30-01-18

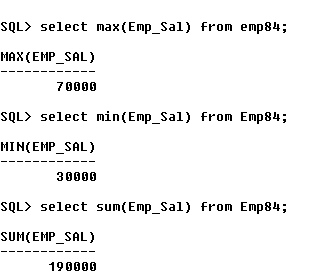
****





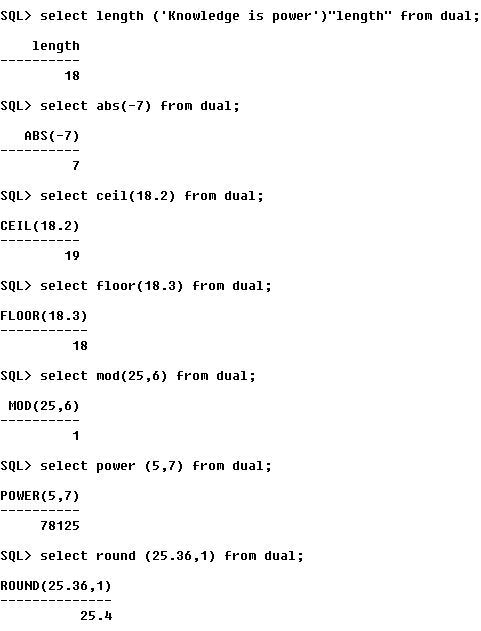
**Ex.No:**22 **Date:**30-01-18

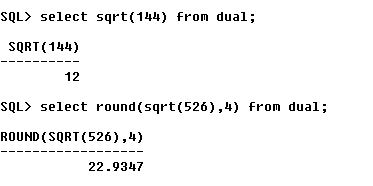




**Ex.No:**23 **Date:**30-01-18

Inbuilt Function:-

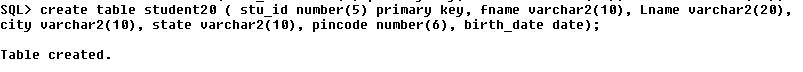




**1st  CIA Answers**

**Ex.No:**24 **Date:**08-02-18

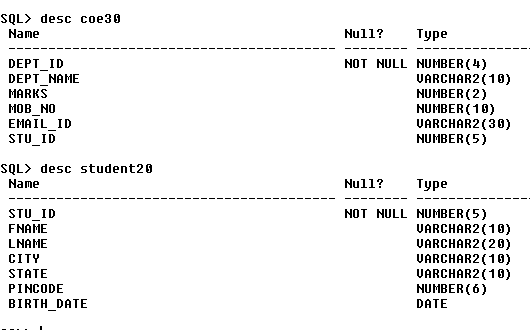
**1)Create Table for the following structure**



**Ex.No:**25 **Date:**08-02-18

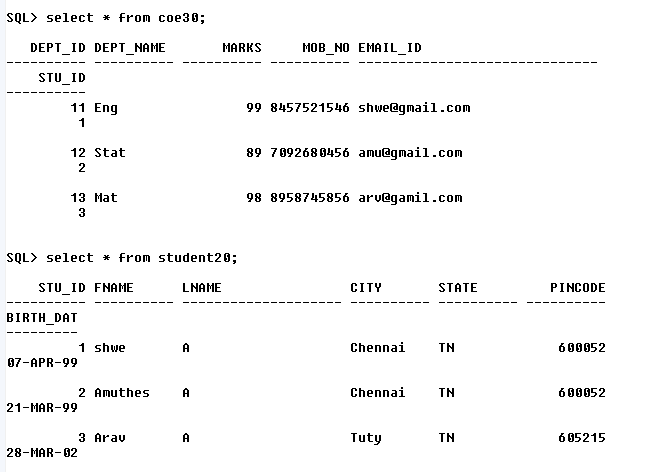
**2) Create Table For The Following Columns**



****

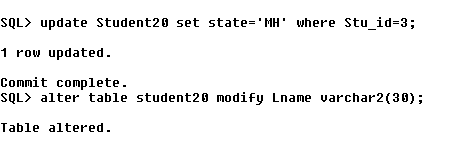
**Ex.No:**26 **Date:**08-02-18

**3) a)insert 3 records in both the tables**

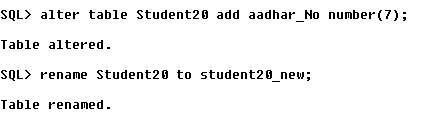
****

**b)update any one record (State)**

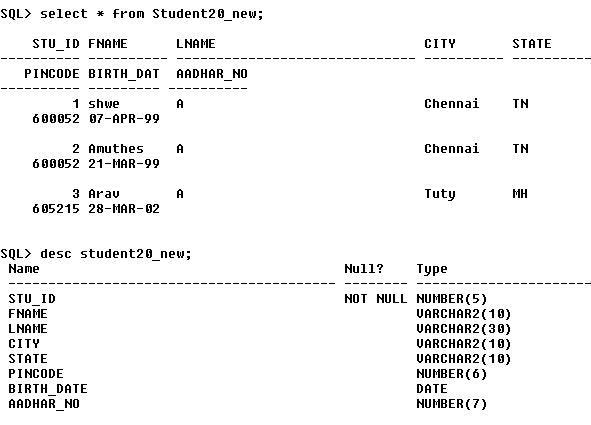
**c)Modify anyone of the column’s datatype size**

****

**d) Add a column aadhar\_no to anyone of the above table**

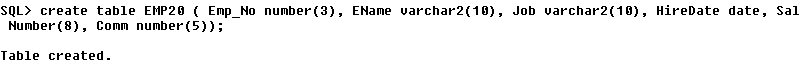
****

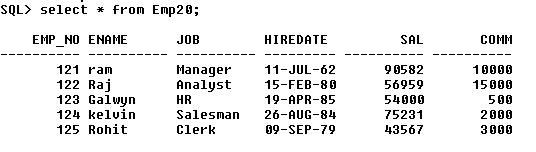
**e) Rename The table name student to student\_new**

****

**Ex.No:**27 **Date:**08-02-18

**4) Create table and insert records for the following information**

****

****

**Ex.No:**28 **Date:**08-02-18

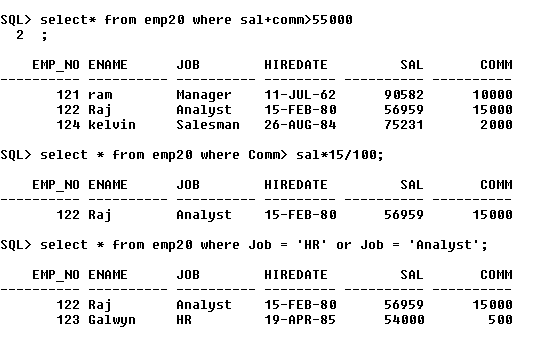
**5)Consider The EMP Tables**

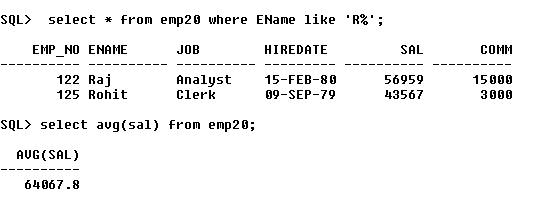
a)Select employee(s) Whose salary+commission is more than 5500

b)Select employee(s) details whose commission is more than 15% of their salary

c)Select the employee(s) whose job is either HR or ANALYST

d)Select the employee(s) whose name starts with ‘R’ followed by any number of characters

****

****

**Ex.No:**29 **Date:**08-02-18

**6)**

1. **Illustrate the following built in function in SQL based on the EMP table**

**a)AVG**

**b)COUNT**

**c)MAX and MIN**

**d)SUM**

**(ii) Illustrate the following built in function in SQL**

**a)Length**

**b)Abs**

**c)Ceil**

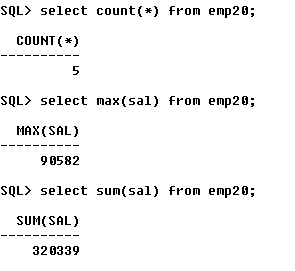
**d)Floor**

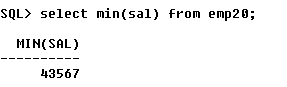
**e)Sqrt**

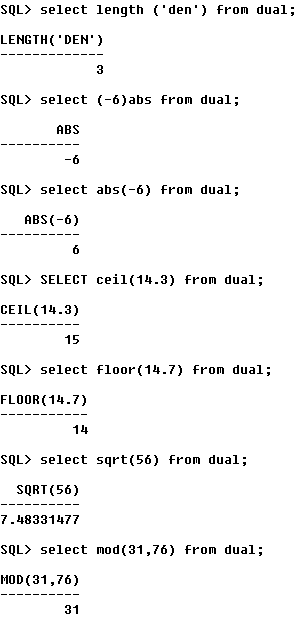
**f)Mod**

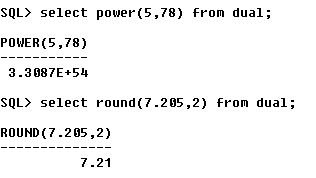
**g)Power**

**h)Round**

****

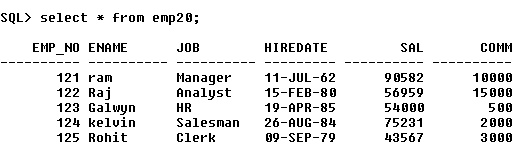
****

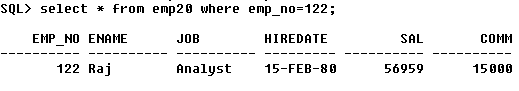
****

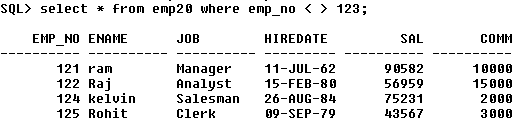
****

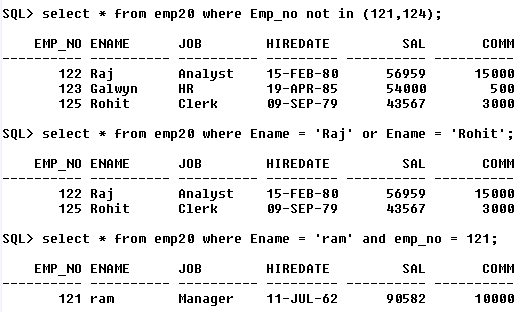
**Ex.No:**30 **Date:**16-02-18

**Logical Operator:**

****

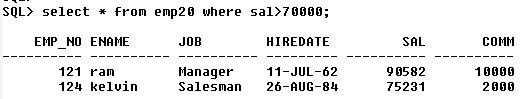
****

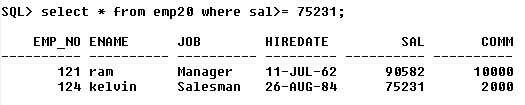
****

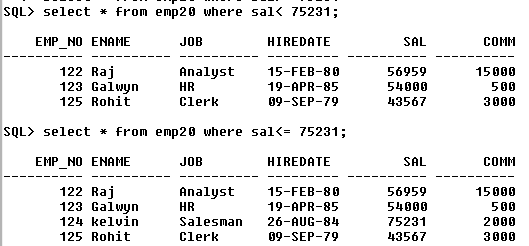
****

**Ex.No:**31 **Date:**19-02-18

**Relational Operator**

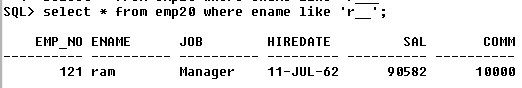
****

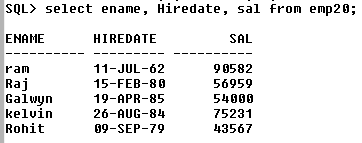
****

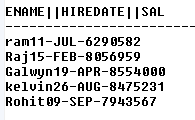
****

**Ex.No:**32 **Date:**19-02-18

String Operator:-

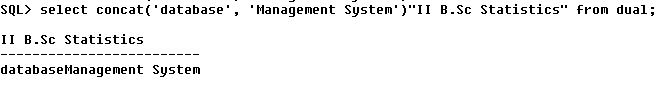
****

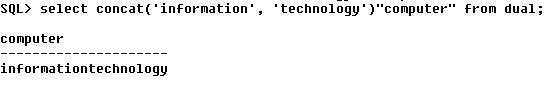
****

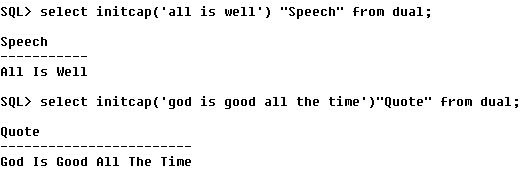
****

**Ex.No:**33 **Date:**20-02-18

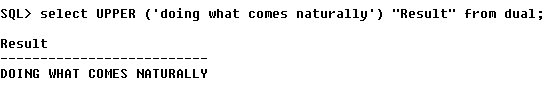
**Character Function**

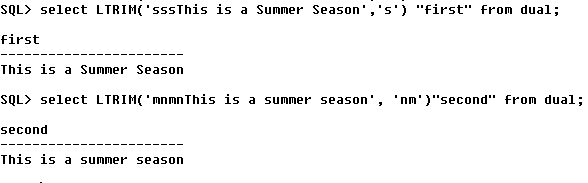
****

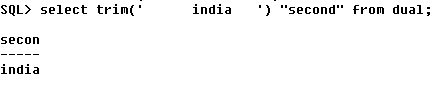
****

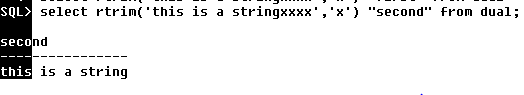
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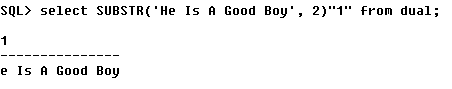
****

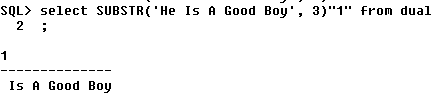
****

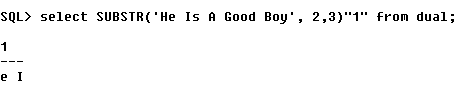
****

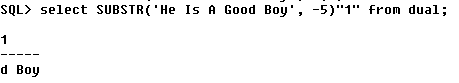
****

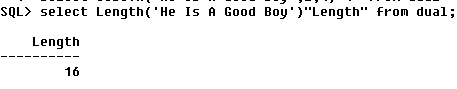
****

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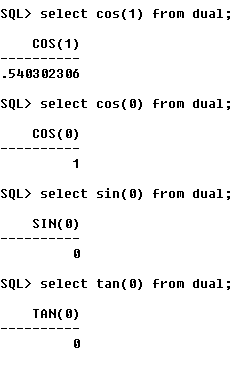
****

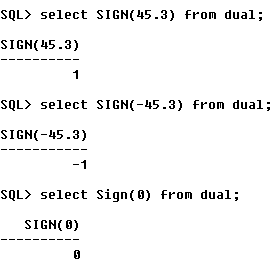
****

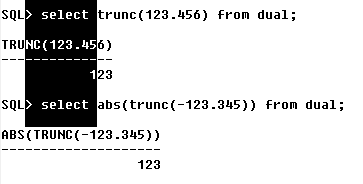
****

**Ex.No:**34 **Date:**20-02-18

**Numeric Function**

****

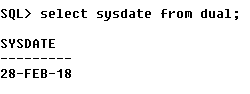
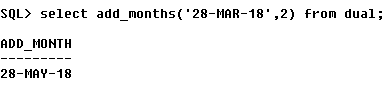
****

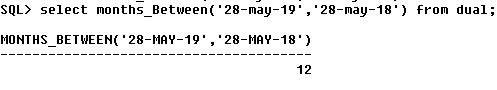
****

**Ex.No:**35 **Date:**23-02-18

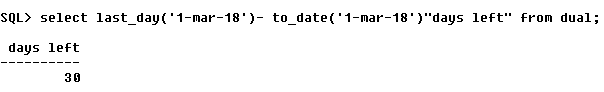
Data Function

a)

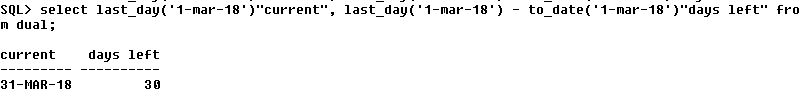


b)

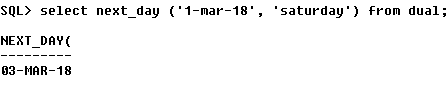


select last\_day('1-mar-18')"current", last\_day('1-mar-18') - to\_date('1-mar-18')"days left" from dual;

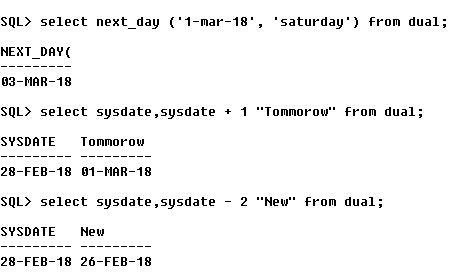
c)



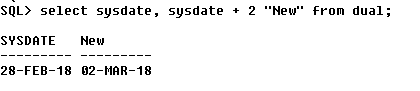
d)

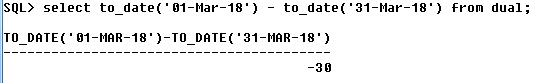


e) & f) & g)



h)



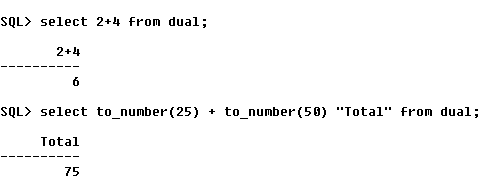




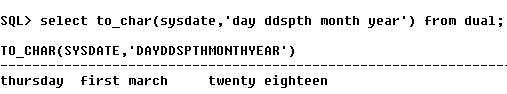
**Ex.No:**36 **Date:**01-03-18

Convension Function

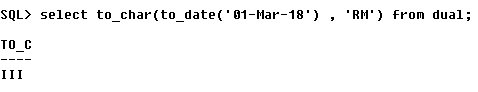
a)



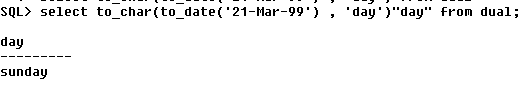
b)



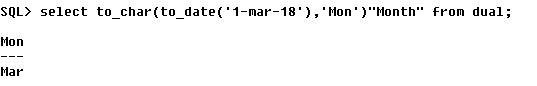
c)



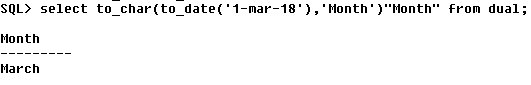
d)



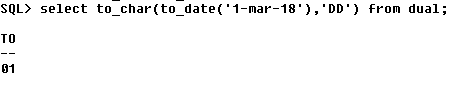
e)



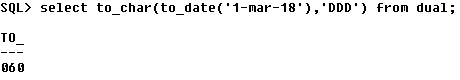
f)



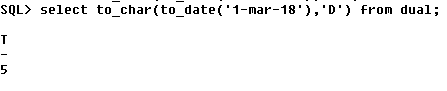
g)



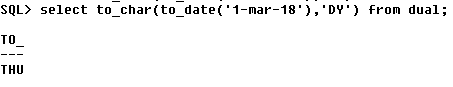
h)



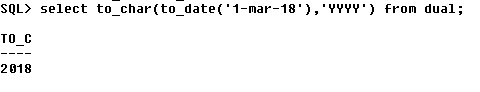
i)



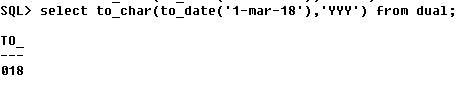
j)



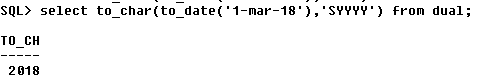
k)



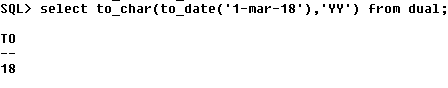
l)



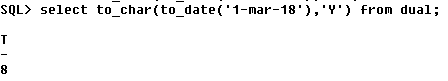
m)



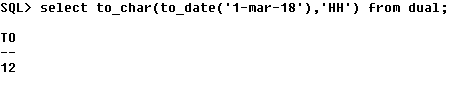
n)



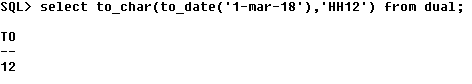
o)



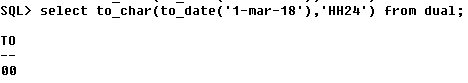
p)



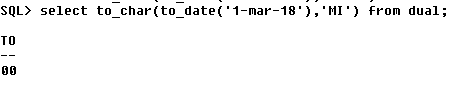
q)



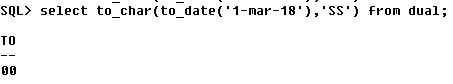
r)



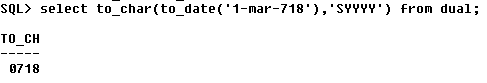
s)



t)

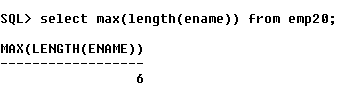


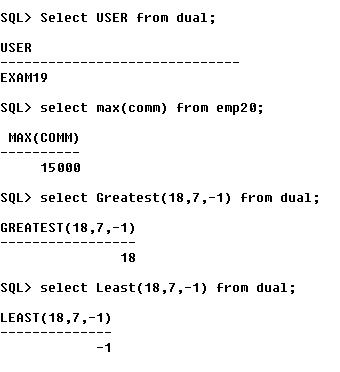
u)



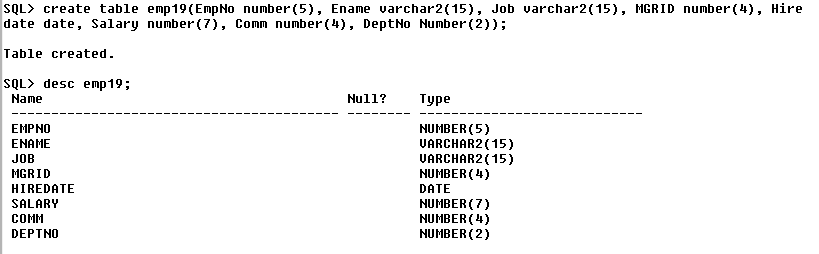


**Ex.No:**37 **Date:**05-03-18



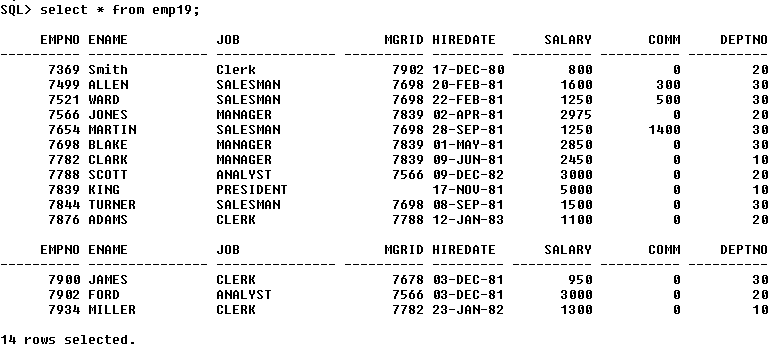


**Ex.No:**38 **Date:**05-03-18

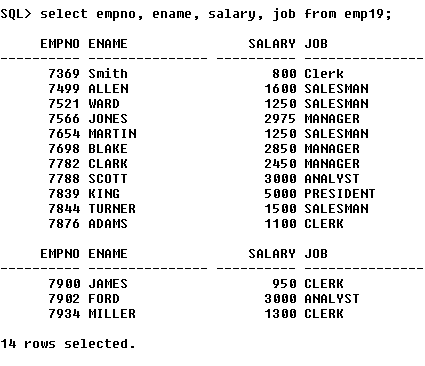


**SELECT ONE OR MORE COLUMN FROM THE TABLE:**

**a)**



b)

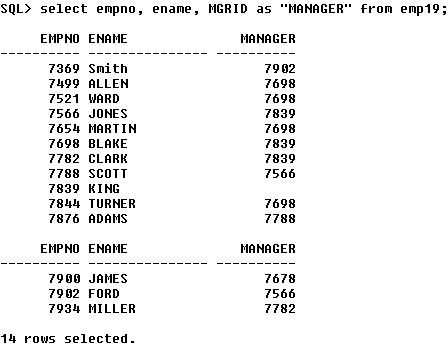


c)

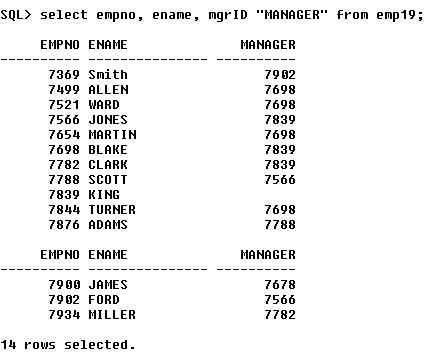


**CHANGING THE COLUMN NAME USING ALIASES:**

d)

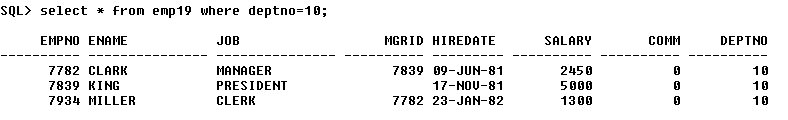


e)

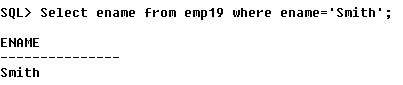


**USING WHERE CLAUSE:**

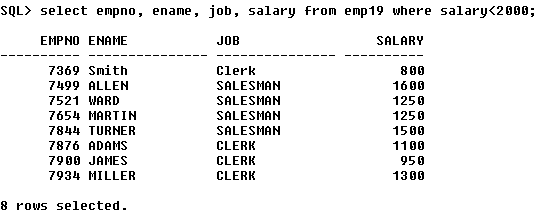
f)



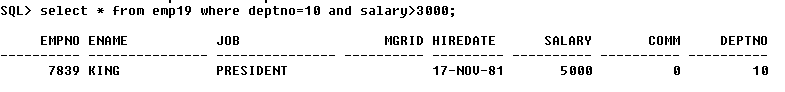
g)



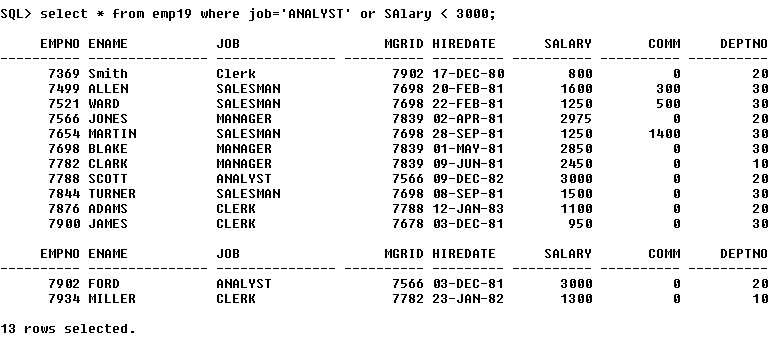
h)



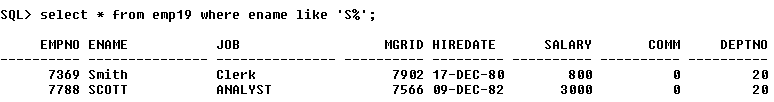
i)



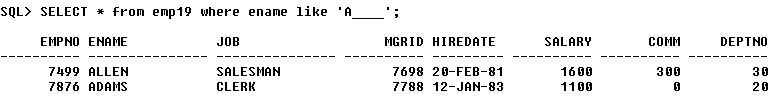
j)



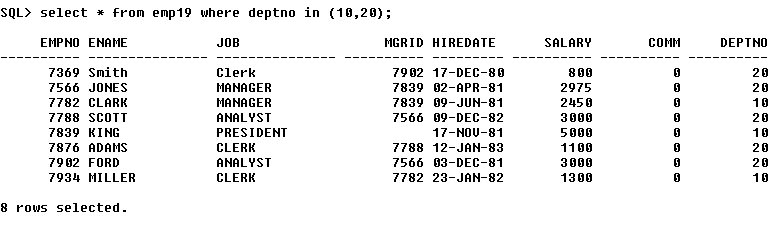
k)



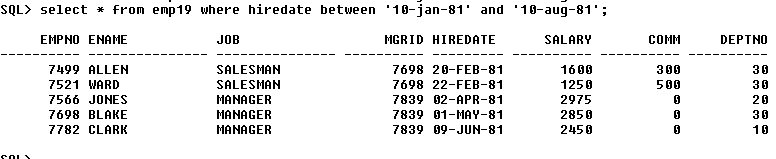
l)



m)

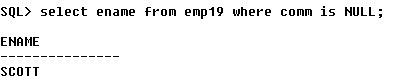


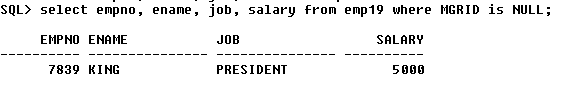
n)



**Ex.No:**39 **Date:**08-03-18

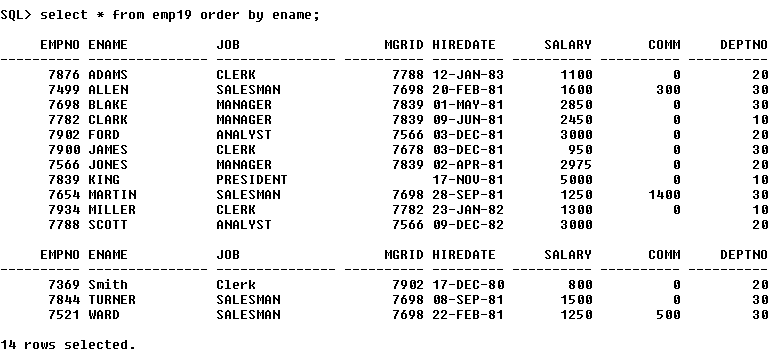
**Working With Null Values**





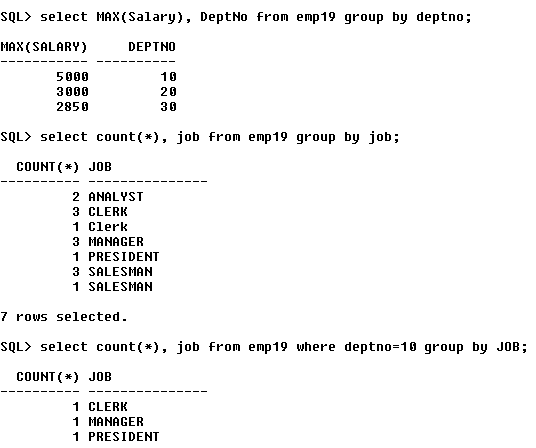
**Ex.No:**40 **Date:**08-03-18

Order by Clause



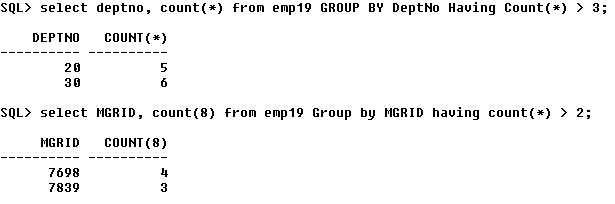
**Ex.No:**41 **Date:**08-03-18

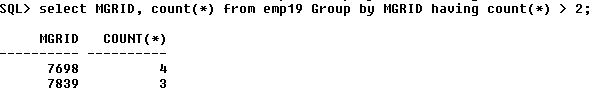
Group By Clause



**Ex.No:**42 **Date:**08-03-18

Group by Having Clause

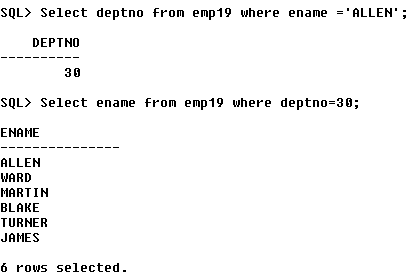


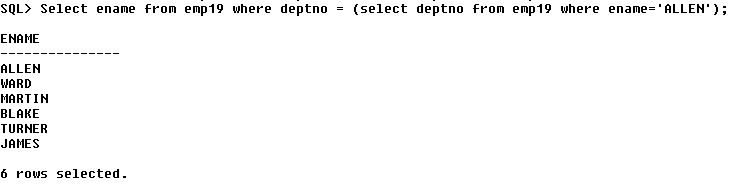


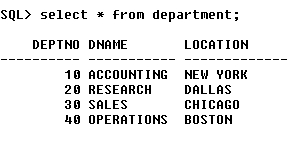
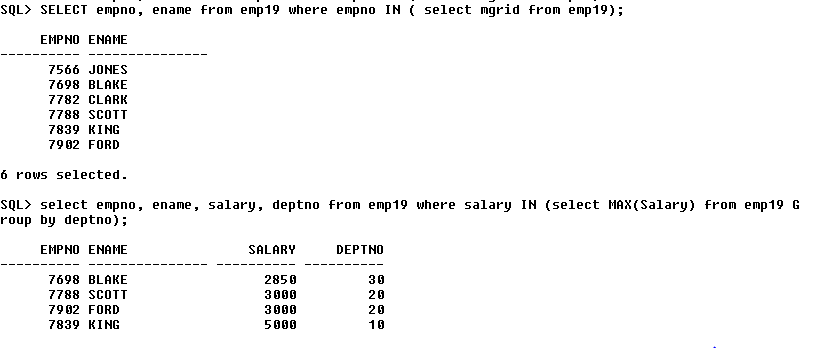
**Ex.No:**43 **Date:**08-03-18

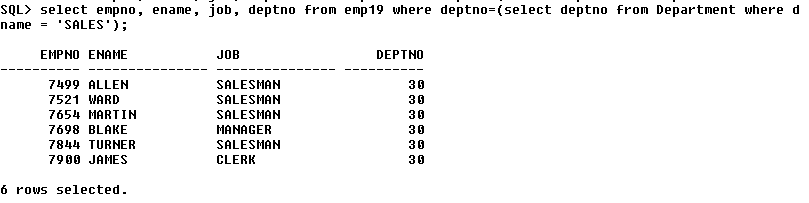
**Sub query**

Select empno, ename, job, deptno from emp19 where deptno = ( select deptno from dept where dname = ‘sales’);



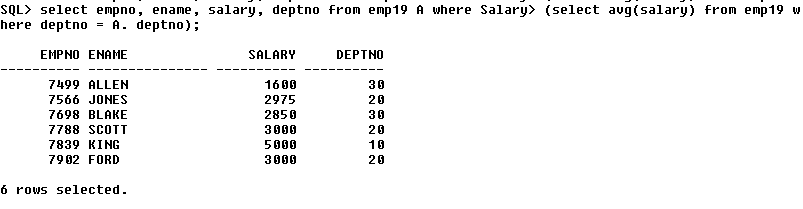




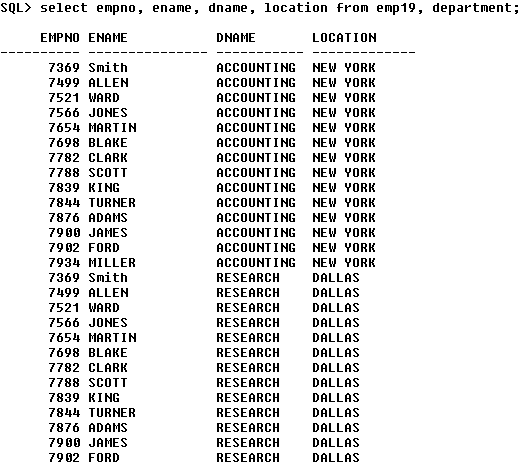
**Ex.No:**44 **Date:**16-03-18

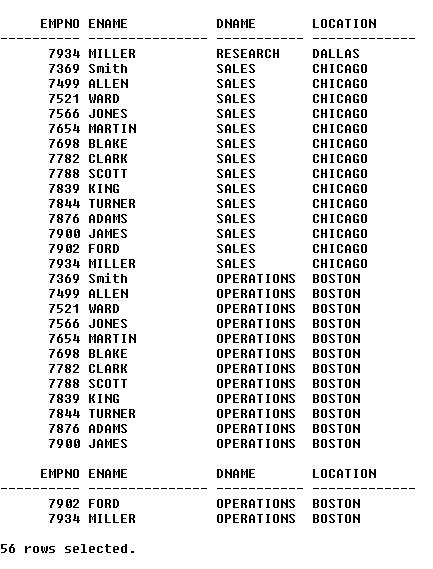
**Correlated Sub-Query:**



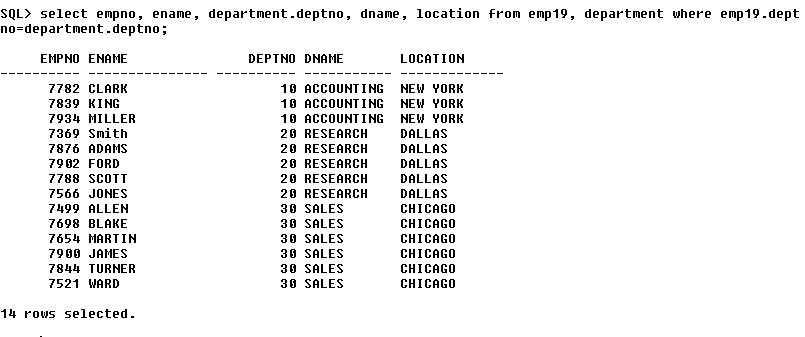
**Ex.No:**45 **Date:**16-03-18

1. Cartesian Join

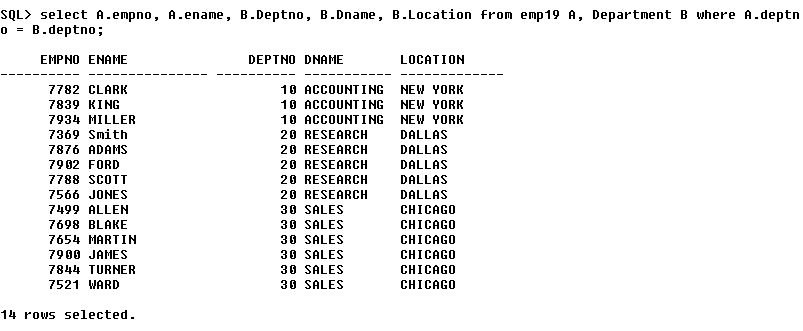




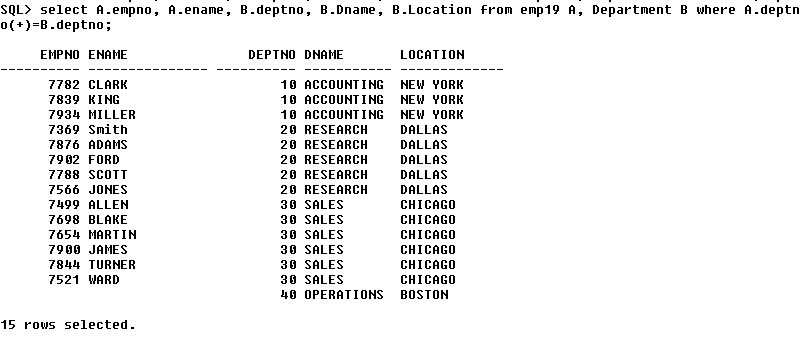
1. Equi Join



1. Using table aliases



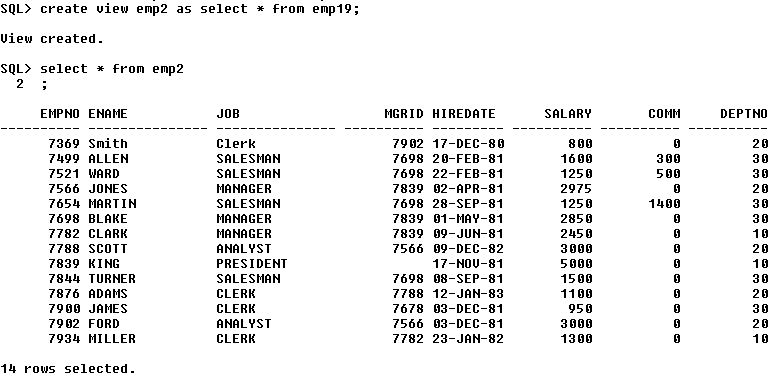
d)



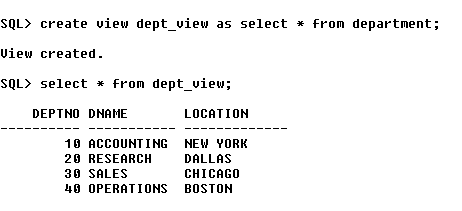
**Ex.No:**46 **Date:**20-03-18

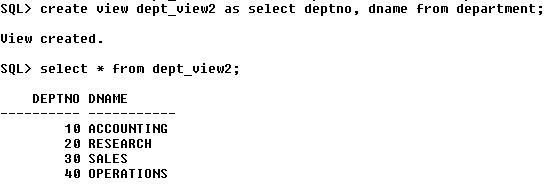
1. Creating View:



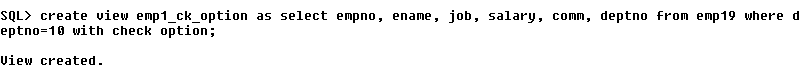


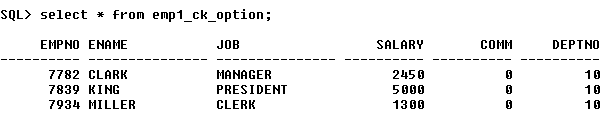
b)





c) check option clause





d)Force view

