**Lab 4. Database Objects-1**

**1.** Create the Customer table with the following columns.

Customerid Number(5)

CustomerName Number(10)

Address1 Varchar2(30)

Address2 Varchar2(30)

create table customer(customerid number(5),cust\_name varchar2(20),Address1 varchar2(30),Address2 varchar2(30));

**2.** Modify the Customer table CustomerName column of datatype with Varchar2(30).

CustomerName should not accept Nulls.

Alter table customer rename column cust\_name to customername;

Alter table customer modify customername varchar2(30) Not Null;

**3.** Add the following Columns to the Customer table.

Gender Varchar2(1)

Age Number(3)

PhoneNo Number(10)

Alter table customer add Gender varchar2(1);

Alter table customer add Age Number(3);

Alter table customer add phoneNo(10);

**4.** Insert rows with the following data in to the Customer table.

Insert into customer values: (1000, ‘Allen’, ‘#115 Chicago’, ‘#115 Chicago’, ‘M’, ‘25,

7878776’)

In similar manner, add the below records to the Customer table:

 1000, Allen, #115 Chicago, #115 Chicago, M, 25, 7878776

 1001, George, #116 France, #116 France, M, 25, 434524

 1002, Becker, #114 New York, #114 New York, M, 45, 431525

Insert into cust\_table (&Customerid, '&cust\_Name', '&Address1', '&Address2', '&Gender', &Age, &phoneNo);

1000, ‘Allen’, ‘#115 Chicago’, ‘#115 Chicago’, ‘M’, ‘25, 7878776’

1001, George, #116 France, #116 France, M, 25, 434524

1002, Becker, #114 New York, #114 New York, M, 45, 431525

**5.** Add the Primary key constraint for Customerld with the name Custld\_Prim.

Alter table cust\_table add constraints Custid\_prim PRIMARY KEY (customerid);

**6.** Insert the row given below in the Customer table and see the message generated

by the Oracle server.

1002, John, #114 Chicago, #114 Chicago, M, 45, 439525

Insert into cust\_table values(1002,’John’,’#114 Chicago’,’#114 Chicago,M,45,439525);

**7.** Disable the constraint on CustomerId, and insert the following data:

 1002, Becker, #114 New York, #114 New york , M, 45, 431525

 1003, Nanapatekar, #115 India, #115 India , M, 45, 431525

Alter table cust\_table drop PRIMARY KEY custid\_prim;

**8.** Enable the constraint on CustomerId of the Customer table, and see the message

generated by the Oracle server.

Alter table cust\_table add constraints Custid\_prim PRIMARY KEY (customerid);

**9.** Drop the constraint Custld\_Prim on CustomerId and insert the following Data. Alter

Customer table, drop constraint Custid\_Prim.

 1002, Becker, #114 New York, #114 New york , M, 45, 431525, 15000.50

 1003, Nanapatekar, #115 India, #115 India , M, 45, 431525, 20000.50

Alter table cust\_table drop PRIMARY KEY custid\_prim;

Insert into cust\_table(1002, Becker, #114 New York, #114 New york , M, 45,431525, 15000.50);

Insert into cust\_table(1003, Nanapatekar, #115 India, #115 India , M, 45, 431525,20000.50);

**10.** Delete all the existing rows from Customer table, and let the structure remain itself

using TRUNCATE statement.

TRUNCATE table cust\_table;

**11.** In the Customer table, add a column E\_mail.

Alter table add e\_mail varchar2(30);

**12.** Drop the E\_mail column from Customer table

Alter table cust\_table drop coloum E\_mail;

**13.** Add a new column EmailId to Customer table

Alter table cust\_table DROP e\_mail;

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**14.** Mark EmailId column as unused before dropping it.

Alter table cust\_table set unused column E\_mailId;

**15.** Drop the unused EmailId column from the Customer table.

Alter table cust\_table drop unused column E\_mailId;

**16.** Define the COMMENT ‘Customers Details’ for Customer table.

COMMENT on table cust\_table is ‘Customer Details’.

**17.** Use Data Dictionary USER\_TAB\_COMMENTS to view the created comment.

Select USER\_TAB\_COMMENTS from user\_comments;

**18.** Define the COMMENT ‘Personal Contact no’ for the phoneno column of the

Customer table.

COMMENT on coloumn cust\_table.phoneno is ‘Personal Contact no’;

**19.** Use Data Dictionary USER\_COL\_COMMENTS to view the created comment.

Select USER\_TAB\_COMMENTS from user\_comments;

**20.** Create the Suppliers table based on the structure of the Customer table. Include

only the CustomerId, CustomerName, Address1, Address2, and phoneno columns.

Name the columns in the new table as SuppID, SName, Addr1, Addr2, and Contact no.respectively.

Create table Suppliers as select(customerid as suppid,customername as sname,adddress1 as addr1,address2 as addr2,phoneno as contactno) from cust\_table;