4.1 DATABASE OBJECTS

SQL> create table Customer

2 (

3 customerid number(5),

4 cust\_Name varchar2(20),

5 Address1 varchar2(30),

6 Address2 varchar2(30)

7 );

Table created.

SQL> Alter table Customer rename column cust\_Name to customername;

Table altered.

SQL> Alter table Customer modify customername varchar2(30) Not Null;

Table altered.

SQL> Alter table Customer add Gender varchar2(1);

Table altered.

SQL> Alter table Customer add Age Number(3);

Table altered.

SQL> Alter table Customer add PhoneNo number(10);

Table altered.

SQL> Rename Customer to Cust\_Table;

Table renamed.

SQL> insert into Cust\_Table values(&customerid,'&cust\_name','&Address1','&Addres

s2','&Gender',&Age,&PhoneNo);

Enter value for customerid: 1000

Enter value for cust\_name: Allen

Enter value for address1: #115Chicago

Enter value for address2: #115Chicago

Enter value for gender: M

Enter value for age: 25

Enter value for phoneno: 7878776

old 1: insert into Cust\_Table values(&customerid,'&cust\_name','&Address1','&Ad

dress2','&Gender',&Age,&PhoneNo)

new 1: insert into Cust\_Table values(1000,'Allen','#115Chicago','#115Chicago',

'M',25,7878776)

1 row created.

SQL> insert into Cust\_Table values(&customerid,'&cust\_name','&Address1','&Addres

s2','&Gender',&Age,&PhoneNo);

Enter value for customerid: 1001

Enter value for cust\_name: George

Enter value for address1: #116 France

Enter value for address2: #116 France

Enter value for gender: M

Enter value for age: 25

Enter value for phoneno: 434524

old 1: insert into Cust\_Table values(&customerid,'&cust\_name','&Address1','&Ad

dress2','&Gender',&Age,&PhoneNo)

new 1: insert into Cust\_Table values(1001,'George','#116 France','#116 France'

,'M',25,434524)

1 row created.

SQL> insert into Cust\_Table values(&customerid,'&cust\_name','&Address1','&Addres

s2','&Gender',&Age,&PhoneNo);

Enter value for customerid: 1002

Enter value for cust\_name: Becker

Enter value for address1: #114 New York

Enter value for address2: #114 New York

Enter value for gender: M

Enter value for age: 45

Enter value for phoneno: 431525

old 1: insert into Cust\_Table values(&customerid,'&cust\_name','&Address1','&Ad

dress2','&Gender',&Age,&PhoneNo)

new 1: insert into Cust\_Table values(1002,'Becker','#114 New York','#114 New Y

ork','M',45,431525)

1 row created.

SQL> select \* from Cust\_Table;

CUSTOMERID CUSTOMERNAME ADDRESS1

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ADDRESS2 G AGE PHONENO

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1000 Allen #115Chicago

#115Chicago M 25 7878776

1001 George #116 France

#116 France M 25 434524

1002 Becker #114 New York

#114 New York M 45 431525

SQL> Alter table Cust\_Table add constraints Custid\_prim PRIMARY KEY (customerid);

Table altered.

SQL> TRUNCATE table cust\_table;

Table altered.

SQL> Alter table add e\_mail varchar2(30);

Table altered.

SQL> Alter table cust\_table DROP e\_mail;

Table altered.

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

Table created

SQL> create table customerMaster(customerId number(5) primary key, customername varchar2(20) not null, address1 varchar2(20) not null, address2 varchar2(20), gender varchar2(1), age number(3), phoneNo number(10));

Table created

SQL>Create table Accoutnmaster(customerid number(5),Accountnumber number(10) primary key ,accounttype char(3),ledgerbalance number(10) Not Null);

Create sequence seq\_ano

MINVALUE 101

MAXVALUE 10000

START WITH 101

INCREMENT BY 1

CACHE 101;

SQL>Alter table Accountmaster ADD constraint ass\_fk FOREIGN KEY(customerid) REFERENCES customermaster(customerid);

Table altered

SQL>insert into CustomerMaster values(1000,Allen,#115Chicago,#115Chicago,M,25,7878776);

1 row created

SQL>insert into CustomerMaster values(1001,George,#116France,#116France,M,25,434524);

1 row created

SQL>insert into CustomerMaster values(1002,Becker,#114New York,#114New York,M,45,4315250);

1row created

SQL>Alter table accountmaster and constraint ck\_ac check(accounttype = 'NRI' or accounttype = 'IND');

Table altered

SQL>Alter table accountmaster and constraint balance\_check(ledger balance > 5000);

Table altered

SQL>Delete from accountmaster,customertable wherecustomer id=1001;

SQL>create view acc\_view as select (customer\_id,customer\_name,accountnumber,accounttype,ledgerbalance) from accountmaster;

View created

SQL>create view vAccs\_Dtls as select Accounttype,ledgerbalance from Accountmaster where where accounttype 'IND' and ledgerbalance < 10000;

View created

SQL>create view accsvw10 as select \* from employee with READ ONLY;

View created

create sequence seq\_dept minvalue 40 start with 40 increment by 10 maxvalue 200 cache 40;

SQL>create table department\_masters(dept\_no number, dept\_name varchar2(20)) ;

Table created

SQL>insert into department\_masters values (seq\_dept.NEXTVAL, 'cse');

1 row created

SQL>insert into department\_masters values (seq\_dept.NEXTVAL, 'it');

1 row created

SQL>insert into department\_masters values (seq\_dept.NEXTVAL, 'ece');

1 row created

SQL>DROP sequence seq\_dept;

Sequence droped

SQL>create index no\_name on emp(empno);

Index created

SQL>create synonym syn\_emp for emp;

SQL>select \* from user\_synonyms where SYNONYM\_NAME='SYNEMP';

SQL>create sequence Seq\_Emp start with 1000 increment by 1;

Sequence created

SQL>create table employee(empno number, ename varchar2(30));

Table Created

SQL>insert into employee values(Seq\_Emp.nextval, '&ename');

1 row created