**4.1**

**1ST SOL**

SQL> create table customer(

2 customerid number(5),

3 cust\_name varchar2(50),

4 address1 varchar2(30),

5 address2 varchar2(30));

Table created.

SQL> desc customer;

Name Null? Type

----------------------------------------- -------- ----------------------------

CUSTOMERID NUMBER(5)

CUST\_NAME VARCHAR2(50)

ADDRESS1 VARCHAR2(30)

ADDRESS2 VARCHAR2(30)

**2ND SOL**

SQL> alter table customer

2 modify cust\_name varchar2(30);

Table altered.

SQL> alter table customer

2 rename column cust\_name to customername;

Table altered.

**3RD SOL**

SQL> alter table customer

2 rename column cust\_name to customername;

Table altered.

SQL> alter table customer

2 add gender varchar2(1);

Table altered.

SQL> alter table customer

2 add age number(3);

Table altered.

SQL> alter table customer

2 add phoneno number(10);

Table altered.

SQL> rename customer to cust\_table;

Table renamed.

**4TH SOL**

SQL> insert into customer values(&Customerid,'&cust\_Name','&Address1','&Address2','&Gender',&Age,&phoneNo);

Enter value for customerid: 1000

Enter value for cust\_name: allen

Enter value for address1: #115 chicago

Enter value for address2: #115 chicago

Enter value for gender: m

Enter value for age: 25

Enter value for phoneno: 7878776

old 1: insert into customer values(&Customerid,'&cust\_Name','&Address1','&Address2','&Gender',&Age,&phoneNo)

new 1: insert into customer values(1000,'allen','#115 chicago','#115 chicago','m',25,7878776)

1 row created.

SQL> insert into customer values(&Customerid,'&cust\_Name','&Address1','&Address2','&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 customer values(&Customerid,'&cust\_Name','&Address1','&Address2','&Gender',&Age,&phoneNo)

new 1: insert into customer values(1001,'george','#116 france','#116 france','m',25,434524)

1 row created.

SQL> insert into customer values(&Customerid,'&cust\_Name','&Address1','&Address2','&Gender',&Age,&phoneNo);

Enter value for customerid: 1001

Enter value for cust\_name: becker

Enter value for address1: #114 newyork

Enter value for address2: #114 newyork

Enter value for gender: m

Enter value for age: 45

Enter value for phoneno: 431525

old 1: insert into customer values(&Customerid,'&cust\_Name','&Address1','&Address2','&Gender',&Age,&phoneNo)

new 1: insert into customer values(1001,'becker','#114 newyork','#114 newyork','m',45,431525)

1 row created.

**5TH SOL**

SQL> create table customer(

2 customerid number(5) not null,

3 cust\_name varchar2(30) not null,

4 address2 varchar2(20) not null,

5 address1 varchar2(40) not null,

6 gender varchar2(10) not null,

7 age number(19) not null,

8 phoneno number(10) not null);

Table created.

SQL> alter table customer

2 add constraint custid\_prim primary key(customerid);

Table altered.

6th **sol**

SQL> insert into customer values(1002,'john','#114 chicago','#114 chicago','m',45,439525);

1 row created.

**7TH SOL**

SQL> alter table customer

2 drop constraint custid\_prim;

Table altered.

SQL> insert into customer values(1002,'becker','#114 newyork','#114 newyork','m',45,431525);

1 row created.

SQL> insert into customer values(1003,'nanapatekar','#115 india','#115 india','m',45,431525);

1 row created.

**9TH SOL**

SQL> alter table customer

2 drop constraint custid\_prim;

Table altered.

SQL> insert into customer values(1002,'becker','#114 newyork','#114 newyork','m',45,15000.50);

1 row created.

SQL> insert into customer values(1003,'nanapatekar','#115 india','#115 india','m',45,20000.50);

1 row created.

**10SOL**

SQL> delete from customer;

5 rows deleted.

SQL> truncate table customer;

Table truncated.

**11 sol**

SQL> alter table customer

2 add e\_mail char(30);

Table altered.

**12 sol**

SQL> alter table customer

2 drop column e\_mail ;

Table altered.

**13 sol**

SQL> create table suppliers

2 (

3 suppid number(5) not null,

4 sname varchar2(20) not null,

5 addr1 varchar2(20) not null,

6 addr2 varchar2(20) ,

7 contactno number(12));

Table created.

**14SOL**

SQL> drop table suppliers;

Table dropped.

SQL> create table customermaster(

2 customerid number(5) ,

3 customername varchar2(50) not null,

4 address1 varchar2(30) not null,

5 address2 varchar2(30),

6 gender varchar2(1),

7 age number(2),

8 phoneno number(10),

9 constraint custld\_pk primary key(customerid));

Table created.

**15TH SOL**

SQL> create table accountmaster(

2 customerid number(5) ,

3 accountnumber number(10,2),

4 accounttype char(3),

5 ledgerbalance number(10,2) not null,

6 constraint acc\_pk primary key(accountnumber));

Table created.

SQL> create sequence seq\_m

2 minvalue 101

3 maxvalue 100000

4 start with 103

5 increment by 1

6 cache 200;

Sequence created.

**16TH SOL**

SQL> desc customermaster;

Name Null? Type

----------------------------------------- -------- ----------------------------

CUSTOMERID NOT NULL NUMBER(5)

CUSTOMERNAME NOT NULL VARCHAR2(50)

ADDRESS1 NOT NULL VARCHAR2(30)

ADDRESS2 VARCHAR2(30)

GENDER VARCHAR2(1)

AGE NUMBER(2)

PHONENO NUMBER(10)

SQL> desc accountmaster;

Name Null? Type

----------------------------------------- -------- ----------------------------

CUSTOMERID NUMBER(5)

ACCOUNTNUMBER NOT NULL NUMBER(10,2)

ACCOUNTTYPE CHAR(3)

LEDGERBALANCE NOT NULL NUMBER(10,2)

SQL> alter table accountmaster

2 add constraint cust\_acc foreign key(customerid) references customermaster(customerid);

Table altered.

**17TH SOL**

SQL> insert into customermaster values(1000,'allen','#115 chicago','#115 chicago','m',25,7878776);

1 row created.

SQL> insert into customermaster values(1001,'george','#115 france','#115 france','m',25,4345240);

1 row created.

SQL> insert into customermaster values(1002,'becker','#115 newyork','#115 newyork','m',45,4315250);

1 row created.

**18TH SOL**

SQL> alter table Accountmaster add constraint cust\_a check(accounttype='NRI' or accounttype='IND');

Table altered.

**19TH SOL**

SQL> alter table Accountmaster add constraint bal\_acc check(ledgerbalance>5000);

Table altered.

**20TH SOL**

**21 SOL**

SQL> create table accountdetails as select \* from accountmaster;

Table created.

SQL> desc accountdetails;

Name Null? Type

----------------------------------------- -------- ----------------------------

CUSTOMERID NUMBER(5)

ACCOUNTNUMBER NUMBER(10,2)

ACCOUNTTYPE CHAR(3)

LEDGERBALANCE NOT NULL NUMBER(10,2)

**22 SOL**

SQL> create view acc\_view as select customerid,accountnumber,accounttype,ledgerbalance,accountholdername

2 from accountmaster;

View created.

SQL> desc acc\_view;

Name Null? Type

----------------------------------------- -------- ----------------------------

CUSTOMERID NUMBER(5)

ACCOUNTNUMBER NOT NULL NUMBER(10,2)

ACCOUNTTYPE CHAR(3)

LEDGERBALANCE NOT NULL NUMBER(10,2)

ACCOUNTHOLDERNAME VARCHAR2(30)

SQL>

**23 SOL**

SQL> create view vaccs\_dtls as select accounttype,ledgerbalance from accountmaster where accounttype='ind' and ledgerbalance<10000;

View created.

SQL> desc vaccs\_dtls;

Name Null? Type

----------------------------------------- -------- ----------------------------

ACCOUNTTYPE CHAR(3)

LEDGERBALANCE NOT NULL NUMBER(10,2)

**25th sol**

SQL> CREATE SEQUENCE seq\_dept

2 minvalue 40

3 start with 40

4 increment by 10

5 maxvalue 200

6 cache 40;

Sequence created.

SQL> insert into department\_master(dept\_code,dept\_name)

2 values(seq\_dept.nextval,'three');

1 row created.

**2nd 12th**

SQL> insert into department\_master (dept\_code,dept\_name) values(seq\_dept.nextval,'50');

1 row created.

SQL> insert into department\_master (dept\_code,dept\_name) values(seq\_dept.nextval,'5');

1 row created.

SQL> desc department\_master;

Name Null? Type

----------------------------------------- -------- ----------------------------

DEPT\_CODE NOT NULL NUMBER(2)

DEPT\_NAME VARCHAR2(50)

MANGERS\_NO NUMBER(38)

MGR\_CODE NUMBER(38)

MGR\_NAME CHAR(1)

SQL> insert into department\_master (dept\_code,mgr\_code) values(seq\_dept.nextval,'5');

1 row created.

**13th**

SQL> drop sequence seq\_dept;

Sequence dropped.

**14th sol**

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

Index created.

SQL> select \* from emp;

EMPNO ENAME JOB MGR HIREDATE SAL COMM

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DEPT\_CODE

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4090 mounisha developer 8989 12-SEP-19 2000 8989

90

1 nikkki analyst 11 01-JAN-17 20000 22

1

1 niki analyst 11 01-OCT-17 20700 28

1

**15th sol**

SQL> create synonym synemp for emp;

Synonym created.

**16th**

SQL> select \* from synemp;

EMPNO ENAME JOB MGR HIREDATE SAL COMM

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DEPT\_CODE

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4090 mounisha developer 8989 12-SEP-19 2000 8989

90

1 nikkki analyst 11 01-JAN-17 20000 22

1

1 niki analyst 11 01-OCT-17 20700 28

1

**17th sol**

SQL> create index idx\_emp\_hiredate on emp(hiredate);

Index created.

**18th sol**

SQL> create sequence seq\_emp

2 minvalue 1001

3 maxvalue 9999

4 increment by 100

5 nocache

6 nocycle;

Sequence created.

SQL> desc emp;

Name Null? Type

----------------------------------------- -------- ----------------------------

EMP\_EMPNO NOT NULL NUMBER(4)

EMP\_ENAME VARCHAR2(10)

EMP\_JOB VARCHAR2(9)

EMP\_MGR NUMBER(4)

EMP\_HIREDATE DATE

EMP\_SAL NUMBER(7,2)

EMP\_COMM NUMBER(7,2)

DEPT\_CODE NUMBER(2)

SQL> insert into emp values(seq\_emp.nextval, 'cr', 'clerk', 34, ('02-june-1999'), 5000, 5, 99);

1 row created.