CONSTRAINTS

QUERY 1: SETTING PRIMARY KEY CONSTRAINTS:

SQL> create table cus\_table(cus\_id number(6)primary key,name varchar2(10)not null,city varchar2(10),state varchar2(10));

Table created.

RESULT 1:

SQL> desc cus\_table;

Name Null? Type

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

CUS\_ID NOT NULL NUMBER(6)

NAME NOT NULL VARCHAR2(10)

CITY VARCHAR2(10)

STATE VARCHAR2(10)

QUERY 2: INSERTING RECORDS INTO MASTER TABLE:

SQL> insert into cus\_table values(1,'Aathi','chennai','TN');

1 row created.

SQL> insert into cus\_table values(2,'Ari','cheyyar','TN');

1 row created.

SQL> insert into cus\_table values(3,'Giri','Arcot','TN');

1 row created.

RESULT 2:

SQL> select \* from cus\_table;

CUS\_ID NAME CITY STATE

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

1 Aathi chennai TN

2 Ari cheyyar TN

3 Giri Arcot TN

QUERY 3: SETTING FOREIGN KEY CONSTRAINTS:

SQL> create table loan\_table(loan\_no number(6),branch\_name varchar2(10)not null,amount number(6),cus\_id number(6),foreign key(cus\_id)references cus\_table,primary key(loan\_no));

Table created.

RESULT 3:

SQL> desc loan\_table;

Name Null? Type

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

LOAN\_NO NOT NULL NUMBER(6)

BRANCH\_NAME NOT NULL VARCHAR2(10)

AMOUNT NUMBER(6)

CUS\_ID NUMBER(6)

QUERY 4: INSERTING RECORDS INTO DETAIL TABLE:

SQL> insert into loan\_table values(101,'Kalavai',10000,1);

1 row created.

SQL> insert into loan\_table values(102,'Cheyyar',20000,2);

1 row created.

SQL> insert into loan\_table values(103,'Arcot',30000,3);

1 row created.

RESULT 4:

SQL> select \* from loan\_table;

LOAN\_NO BRANCH\_NAME AMOUNT CUS\_ID

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

101 Kalavai 10000 1

102 Cheyyar 20000 2

103 Arcot 30000 3

INTEGRITY CONSTRAINTS:

SQL> insert into loan\_table values(104,'Arcot',30000,4);

insert into loan\_table values(104,'Arcot',30000,4)

\*

ERROR at line 1:

ORA-02291: integrity constraint (SYSTEM.SYS\_C003998) violated - parent key not

found

UNIQUE CONSTRAINTS:

SQL> insert into loan\_table values(101,'Kalavai',10000,1);

insert into loan\_table values(101,'Kalavai',10000,1)

\*

ERROR at line 1:

ORA-00001: unique constraint (SYSTEM.SYS\_C003997) violated

NULL CONSTRAINTS:

SQL> insert into loan\_table values(103,null,40000,2);

insert into loan\_table values(103,null,40000,2)

\*

ERROR at line 1:

ORA-01400: cannot insert NULL into ("SYSTEM"."LOAN\_TABLE"."BRANCH\_NAME")

CHECK CONSTRAINTS:

SQL> alter table loan\_table add constraint c3 check(loan\_no>0);

Table altered.

SQL> insert into loan\_table values(0,'Chennai',7777,2);

insert into loan\_table values(0,'Chennai',7777,2)

\*

ERROR at line 1:

ORA-02290: check constraint (SYSTEM.C3) violated