Akshat Agarwal

RA1911003010646

**Data Base Management System**

**Lab - 5**

**Adding constraints/Keys to the table**

SQL\*Plus: Release 19.0.0.0.0 - Production on Tue Feb 15 13:54:38 2022

Version 19.8.0.0.0

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Last Successful login time: Tue Feb 08 2022 14:03:48 +05:30

Connected to:

Oracle Database 19c Enterprise Edition Release 19.0.0.0.0 - Production

Version 19.13.0.0.0

SQL> create table cse1(rno varchar(10),name varchar(25), marks number(10),primary key(rno));

Table created.

SQL> desc cse1;

Name Null? Type

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

RNO NOT NULL VARCHAR2(10)

NAME VARCHAR2(25)

MARKS NUMBER(10)

SQL> create table grade(rno varchar(10), grade varchar(5), foreign key(rno) references cse1(rno));

Table created.

SQL> desc grade;

Name Null? Type

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

RNO VARCHAR2(10)

GRADE VARCHAR2(5)

SQL> insert into cse1 values('&rno','&name',&marks);

Enter value for rno: 646

Enter value for name: Akshat

Enter value for marks: 80

old 1: insert into cse1 values('&rno','&name',&marks)

new 1: insert into cse1 values('646','Akshat',80)

1 row created.

SQL> insert into cse1 values('&rno','&name',&marks);

Enter value for rno: 649

Enter value for name: shubham

Enter value for marks: 85

old 1: insert into cse1 values('&rno','&name',&marks)

new 1: insert into cse1 values('649','shubham',85)

1 row created.

SQL> insert into cse1 values('&rno','&name',&marks);

Enter value for rno: 666

Enter value for name: xyz

Enter value for marks: 90

old 1: insert into cse1 values('&rno','&name',&marks)

new 1: insert into cse1 values('666','xyz',90)

1 row created.

SQL> select \* from cse1;

RNO NAME MARKS

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646 Akshat 80

649 shubham 85

666 xyz 90

SQL> insert into cse1 values('','akash',90);

insert into cse1 values('','akash',90)

\*

ERROR at line 1:

ORA-01400: cannot insert NULL into ("RA1911003010646"."CSE1"."RNO")

SQL> create table random(reg varchar(20),name varchar(25) default 'tobeupdated',grade int check(grade>50));

Table created.

SQL> desc random;

Name Null? Type

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

REG VARCHAR2(20)

NAME VARCHAR2(25)

GRADE NUMBER(38)

SQL> insert into random values('646','akshat',80);

1 row created.

SQL> insert into random values('649','',90);

1 row created.

SQL> insert into random values('666','xyz',50);

insert into random values('666','xyz',50)

\*

ERROR at line 1:

ORA-02290: check constraint (RA1911003010646.SYS\_C005988) violated

SQL> select \* from random;

REG NAME GRADE

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646 akshat 80

649 90

SQL>