Akshat Agarwal

RA1911003010646

**Data Base Management System**

**Lab - 6**

**Study of View in SQL**

SQL\*Plus: Release 19.0.0.0.0 - Production on Tue Feb 22 14:03:55 2022

Version 19.8.0.0.0

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Last Successful login time: Tue Feb 15 2022 14:21:28 +05:30

Connected to:

Oracle Database 19c Enterprise Edition Release 19.0.0.0.0 - Production

Version 19.13.0.0.0

SQL> select \* from cse;

RNO NAME MARKS DEPT

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

646 akshat 90 CSE

649 shubham 85 CSE

633 amit 95 CSE

677 xyz 100 CSE

SQL> create view cseview as select name,marks from cse;

View created.

SQL> select \* from cseview

2 ;

NAME MARKS

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

akshat 90

shubham 85

amit 95

xyz 100

SQL> insert into cseview values('rohit',92);

1 row created.

SQL> select \* from cseview;

NAME MARKS

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

akshat 90

shubham 85

amit 95

xyz 100

rohit 92

SQL> select \* from cse;

RNO NAME MARKS DEPT

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

646 akshat 90 CSE

649 shubham 85 CSE

633 amit 95 CSE

677 xyz 100 CSE

rohit 92

SQL> desc cse;

Name Null? Type

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

RNO NUMBER(3)

NAME VARCHAR2(25)

MARKS NUMBER(3)

DEPT VARCHAR2(20)

SQL> desc marks;

ERROR:

ORA-04043: object marks does not exist

SQL> desc cse1;

Name Null? Type

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

RNO NOT NULL VARCHAR2(10)

NAME VARCHAR2(25)

MARKS NUMBER(10)

SQL> select \* from cse1;

no rows selected

SQL> insert into cse1 values('646','akshat',90);

1 row created.

SQL> insert into cse1 values('649','shubham',99);

1 row created.

SQL> insert into cse1 values('633','amit',100);

1 row created.

SQL> select \* from cse1;

RNO NAME MARKS

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

646 akshat 90

649 shubham 99

633 amit 100

SQL> create view cseview1 as select rno,name from cse1;

View created.

SQL> select \* from cseview1;

RNO NAME

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

646 akshat

649 shubham

633 amit

SQL> insert into cseview1 values('666','xyz');

1 row created.

SQL> select \* from cseview1;

RNO NAME

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

646 akshat

649 shubham

633 amit

666 xyz

SQL> select \* from cse1;

RNO NAME MARKS

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

646 akshat 90

649 shubham 99

633 amit 100

666 xyz

SQL> create view cseview2 as select name,marks from cse1;

View created.

SQL> select \* from cseview2;

NAME MARKS

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

akshat 90

shubham 99

amit 100

xyz

SQL> insert into cseview2 values('rohit',95);

insert into cseview2 values('rohit',95)

\*

ERROR at line 1:

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

SQL> select \* from cseview2;

NAME MARKS

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

akshat 90

shubham 99

amit 100

xyz

SQL> select \* from cse1;

RNO NAME MARKS

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

646 akshat 90

649 shubham 99

633 amit 100

666 xyz

SQL> create view cseview3 as select rno,marks from cse1 where marks>90 with check option;

View created.

SQL> select \* from cseview3;

RNO MARKS

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

649 99

633 100

SQL> insert into cseview3 values('623',85);

insert into cseview3 values('623',85)

\*

ERROR at line 1:

ORA-01402: view WITH CHECK OPTION where-clause violation

SQL> insert into cseview3 values('623',95);

1 row created.

SQL> select \* from cseview3;

RNO MARKS

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

649 99

633 100

623 95

SQL> select \* from cse1;

RNO NAME MARKS

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

646 akshat 90

649 shubham 99

633 amit 100

666 xyz

623 95

SQL>