Updatable View Experiment

The "*WITH CHECK OPTION*" is used to prevent changes to a view that would produce rows that are not included in a query.

Example:

```
CREATE VIEW v_dept20 AS SELECT ename, sal, deptno FROM emp WHERE deptno = 20;
```

View created.

```
UPDATE v_dept20 SET deptno = 10;
```

5 rows updated.

By changing the DEPTNO value to 10, now the user can see the details of all the employees in department 10. *This violated the fundamental purpose of the view of showing only the department 20 details.*

Solution:

Recreate the view with "WITH CHECK OPTION" so that Oracle will prevent the changes to the view.

```
CREATE OR REPLACE VIEW v_dept20

AS

SELECT ename, sal, deptno FROM emp

WHERE deptno = 20

WITH CHECK OPTION;

UPDATE v_dept20 SET deptno = 10;
```

When you run the above update, you will get the below error, thus preventing the user from updating the view.

```
UPDATE v_dept20 SET deptno = 10

      *

ERROR at line 1: ORA-01402: view WITH CHECK OPTION where-clause violation
```