Assignment No:8(Group B)

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

Title:Execute DDl statements which demonstrate the use of views. try to update the base table using its corresponding view.

Aso consider restrictions on updatable views and perform view creation from multiple tables.

Batch No: T1 Roll No : 06

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

mysql>use tejas;

mysql> select \* from EMP;

+--------+--------+-----------+------+------------+------+------+---------+

| EMP\_ID | ENAME | JOB | MGR | HIREDATE | SAL | COMM | DEPT\_NO |

+--------+--------+-----------+------+------------+------+------+---------+

| 7369 | smith | clerk | 7902 | 1980-06-17 | 400 | NULL | 20 |

| 7499 | allen | saleman | 7698 | 1981-12-20 | 800 | 300 | 30 |

| 7521 | ward | saleman | 7698 | 1981-02-22 | 625 | 500 | 30 |

| 7566 | jones | manager | 7839 | 1981-04-02 | 1488 | NULL | 20 |

| 7654 | martin | saleman | 7698 | 1981-09-28 | 625 | 1400 | 30 |

| 7698 | blake | manager | 7839 | 1981-05-01 | 1425 | NULL | 30 |

| 7782 | clark | manager | 7539 | 1981-06-09 | 1225 | NULL | 10 |

| 7788 | scott | analyst | 7566 | 1981-04-19 | 800 | NULL | 20 |

| 7839 | king | president | NULL | 1981-11-17 | 2500 | NULL | 10 |

| 7844 | turner | saleman | 7698 | 1981-09-08 | 750 | NULL | 10 |

| 7876 | adams | clerk | 7876 | 1981-05-23 | 550 | NULL | 10 |

| 7900 | james | clerk | 7698 | 1981-12-03 | 400 | NULL | 30 |

+--------+--------+-----------+------+------------+------+------+---------+

12 rows in set (0.00 sec)

mysql> create or replace view EMP\_v1 as select \* from EMP;

Query OK, 0 rows affected (0.10 sec)

mysql> select \* from EMP\_v1;

+--------+--------+-----------+------+------------+------+------+---------+

| EMP\_ID | ENAME | JOB | MGR | HIREDATE | SAL | COMM | DEPT\_NO |

+--------+--------+-----------+------+------------+------+------+---------+

| 7369 | smith | clerk | 7902 | 1980-06-17 | 400 | NULL | 20 |

| 7499 | allen | saleman | 7698 | 1981-12-20 | 800 | 300 | 30 |

| 7521 | ward | saleman | 7698 | 1981-02-22 | 625 | 500 | 30 |

| 7566 | jones | manager | 7839 | 1981-04-02 | 1488 | NULL | 20 |

| 7654 | martin | saleman | 7698 | 1981-09-28 | 625 | 1400 | 30 |

| 7698 | blake | manager | 7839 | 1981-05-01 | 1425 | NULL | 30 |

| 7782 | clark | manager | 7539 | 1981-06-09 | 1225 | NULL | 10 |

| 7788 | scott | analyst | 7566 | 1981-04-19 | 800 | NULL | 20 |

| 7839 | king | president | NULL | 1981-11-17 | 2500 | NULL | 10 |

| 7844 | turner | saleman | 7698 | 1981-09-08 | 750 | NULL | 10 |

| 7876 | adams | clerk | 7876 | 1981-05-23 | 550 | NULL | 10 |

| 7900 | james | clerk | 7698 | 1981-12-03 | 400 | NULL | 30 |

+--------+--------+-----------+------+------------+------+------+---------+

12 rows in set (0.02 sec)

mysql> create or replace view EMP\_v2 as select EMP\_ID , ENAME from EMP;

Query OK, 0 rows affected (0.07 sec)

mysql> select \* from EMP\_v2;

+--------+--------+

| EMP\_ID | ENAME |

+--------+--------+

| 7369 | smith |

| 7499 | allen |

| 7521 | ward |

| 7566 | jones |

| 7654 | martin |

| 7698 | blake |

| 7782 | clark |

| 7788 | scott |

| 7839 | king |

| 7844 | turner |

| 7876 | adams |

| 7900 | james |

+--------+--------+

12 rows in set (0.00 sec)

mysql> create or replace view EMP\_v3 as select EMP\_ID , ENAME from EMP where SAL>2000;

Query OK, 0 rows affected (0.07 sec)

mysql> select \* from EMP\_v3;

+--------+-------+

| EMP\_ID | ENAME |

+--------+-------+

| 7839 | king |

+--------+-------+

1 row in set (0.00 sec)

mysql> update EMP\_v1 set SAL=7000 where EMP\_ID=7788;

Query OK, 1 row affected (0.10 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from EMP\_v1;

+--------+--------+-----------+------+------------+------+------+---------+

| EMP\_ID | ENAME | JOB | MGR | HIREDATE | SAL | COMM | DEPT\_NO |

+--------+--------+-----------+------+------------+------+------+---------+

| 7369 | smith | clerk | 7902 | 1980-06-17 | 400 | NULL | 20 |

| 7499 | allen | saleman | 7698 | 1981-12-20 | 800 | 300 | 30 |

| 7521 | ward | saleman | 7698 | 1981-02-22 | 625 | 500 | 30 |

| 7566 | jones | manager | 7839 | 1981-04-02 | 1488 | NULL | 20 |

| 7654 | martin | saleman | 7698 | 1981-09-28 | 625 | 1400 | 30 |

| 7698 | blake | manager | 7839 | 1981-05-01 | 1425 | NULL | 30 |

| 7782 | clark | manager | 7539 | 1981-06-09 | 1225 | NULL | 10 |

| 7788 | scott | analyst | 7566 | 1981-04-19 | 7000 | NULL | 20 |

| 7839 | king | president | NULL | 1981-11-17 | 2500 | NULL | 10 |

| 7844 | turner | saleman | 7698 | 1981-09-08 | 750 | NULL | 10 |

| 7876 | adams | clerk | 7876 | 1981-05-23 | 550 | NULL | 10 |

| 7900 | james | clerk | 7698 | 1981-12-03 | 400 | NULL | 30 |

+--------+--------+-----------+------+------------+------+------+---------+

12 rows in set (0.00 sec)

mysql> drop view EMP\_v3;

Query OK, 0 rows affected (0.02 sec)