**Name:** Mishra Tejas Vishal

**Roll No.:** 25041

**Class:** SE\_IT(A)

**Batch:** B

**Subject:** DBMS

**Assignment No. 5**

**Creation of View**

mysql> use university\_25033;

Reading table information for completion of table and column names

You can turn off this feature to get a quicker startup with -A

Database changed

mysql> create view v1 as select sname from student where dname='computer';

Query OK, 0 rows affected (0.04 sec)

mysql> desc v1;

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

| Field | Type | Null | Key | Default | Extra |

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

| sname | varchar(10) | YES | | NULL | |

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

1 row in set (0.00 sec)

mysql> desc student;

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

| Field | Type | Null | Key | Default | Extra |

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

| sid | int(11) | NO | PRI | NULL | |

| total\_credit | int(11) | YES | | NULL | |

| dname | varchar(20) | YES | MUL | NULL | |

| sname | varchar(10) | YES | | NULL | |

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

4 rows in set (0.00 sec)

mysql> create view v2 as select ID,iname,salary from instructor;

Query OK, 0 rows affected (0.03 sec)

mysql> select \* from v2;

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

| ID | iname | salary |

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

| 111 | ABC | 85000 |

| 112 | PQR | 110000 |

| 113 | EFG | 90000 |

| 114 | XYZ | 70000 |

| 115 | LMN | 110000 |

| 116 | UVW | 90000 |

| 117 | STU | 75000 |

| 201 | dyanu | 15000 |

| 202 | pankaj | 20000 |

| 203 | shivraj | 25000 |

| 204 | Deepak | 30000 |

| 651 | ESAD | 85000 |

| 671 | ASD | 85000 |

| 6541 | AcdfD | 85000 |

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

14 rows in set (0.01 sec)

mysql> insert into v2(ID,iname,salary) values(118,'aditya',55000);

Query OK, 1 row affected (0.02 sec)

mysql> select \* from instructor;

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

| ID | salary | dname | iname |

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

| 111 | 85000 | COMPUTER | ABC |

| 112 | 110000 | MUSIC | PQR |

| 113 | 90000 | PHYSICS | EFG |

| 114 | 70000 | HISTORY | XYZ |

| 115 | 110000 | MUSIC | LMN |

| 116 | 90000 | PHYSICS | UVW |

| 117 | 75000 | BIOLOGY | STU |

| 118 | 55000 | NULL | aditya |

| 201 | 15000 | physics | dyanu |

| 202 | 20000 | biology | pankaj |

| 203 | 25000 | music | shivraj |

| 204 | 30000 | physics | Deepak |

| 651 | 85000 | COMPUTER | ESAD |

| 671 | 85000 | COMPUTER | ASD |

| 6541 | 85000 | COMPUTER | AcdfD |

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

15 rows in set (0.01 sec)

mysql> delete from v2 where iname='aditya';

Query OK, 1 row affected (0.04 sec)

mysql> select \* from v2;

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

| ID | iname | salary |

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

| 111 | ABC | 85000 |

| 112 | PQR | 110000 |

| 113 | EFG | 90000 |

| 114 | XYZ | 70000 |

| 115 | LMN | 110000 |

| 116 | UVW | 90000 |

| 117 | STU | 75000 |

| 201 | dyanu | 15000 |

| 202 | pankaj | 20000 |

| 203 | shivraj | 25000 |

| 204 | Deepak | 30000 |

| 651 | ESAD | 85000 |

| 671 | ASD | 85000 |

| 6541 | AcdfD | 85000 |

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

14 rows in set (0.00 sec)

mysql> select \* from instructor;

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

| ID | salary | dname | iname |

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

| 111 | 85000 | COMPUTER | ABC |

| 112 | 110000 | MUSIC | PQR |

| 113 | 90000 | PHYSICS | EFG |

| 114 | 70000 | HISTORY | XYZ |

| 115 | 110000 | MUSIC | LMN |

| 116 | 90000 | PHYSICS | UVW |

| 117 | 75000 | BIOLOGY | STU |

| 201 | 15000 | physics | dyanu |

| 202 | 20000 | biology | pankaj |

| 203 | 25000 | music | shivraj |

| 204 | 30000 | physics | Deepak |

| 651 | 85000 | COMPUTER | ESAD |

| 671 | 85000 | COMPUTER | ASD |

| 6541 | 85000 | COMPUTER | AcdfD |

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

14 rows in set (0.01 sec)

mysql> create view v3 as select instructor.iname,instructor.dname,department\_33.building from instructor,department\_33 where instructor.dname=department\_33.dname;

Query OK, 0 rows affected (0.04 sec)

mysql> select \* from v3;

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

| iname | dname | building |

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

| STU | BIOLOGY | five |

| pankaj | biology | five |

| ABC | COMPUTER | one |

| ESAD | COMPUTER | one |

| ASD | COMPUTER | one |

| AcdfD | COMPUTER | one |

| XYZ | HISTORY | four |

| PQR | MUSIC | two |

| LMN | MUSIC | two |

| shivraj | music | two |

| EFG | PHYSICS | three |

| UVW | PHYSICS | three |

| dyanu | physics | three |

| Deepak | physics | three |

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

14 rows in set (0.01 sec)

mysql> insert into v3 values('shri','biology','three');

ERROR 1394 (HY000): Can not insert into join view 'university\_25033.v3' without fields list

mysql>