

## Labcycle 4

### Experiment No: 6

#### AIM : Familiarisation of TCL Commands

1.Create a Table 'Order\_Details' with the given data and perform the following operations

```
+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| Order_ID   | int       | YES  |     | NULL    |       |
| Product_Name | varchar(50) | YES  |     | NULL    |       |
| Order_Num  | int       | YES  |     | NULL    |       |
| Order_Date | date      | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+
4 rows in set (0.01 sec)
```

a)Start a new transaction and insert 2 rows into the table Order\_Details

```
+-----+-----+-----+-----+
| Order_ID | Product_Name | Order_Num | Order_Date |
+-----+-----+-----+-----+
|      1   | Laptop       |      5544 | 2020-02-01 |
|      2   | Mouse        |      3322 | 2020-02-11 |
+-----+-----+-----+-----+
```

b)Display the details of Order\_Details.

```
+-----+-----+-----+-----+
| Order_ID | Product_Name | Order_Num | Order_Date |
+-----+-----+-----+-----+
|      1   | Laptop       |      5544 | 2020-02-01 |
|      2   | Mouse        |      3322 | 2020-02-11 |
+-----+-----+-----+-----+
```

c)Rollback the current transaction and check the contents of the table Order\_Details.

```
mysql> select * from Order_Details;
Empty set (0.00 sec)
```

d)Start a new transaction and delete 2 rows from the table Order\_Details.

```
mysql> select * from Order_Details;
+-----+-----+-----+-----+
| Order_ID | Product_Name | Order_Num | Order_Date |
+-----+-----+-----+-----+
|      3   | Desktop      |      2135 | 2020-01-05 |
|      4   | Mobile       |      3432 | 2020-02-22 |
|      5   | Anti-Virus   |      5648 | 2020-03-10 |
+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

e)Display the details of Order\_Details

```
mysql> select * from Order_Details;
+-----+-----+-----+-----+
| Order_ID | Product_Name | Order_Num | Order_Date |
+-----+-----+-----+-----+
|      3 | Desktop      |      2135 | 2020-01-05 |
|      4 | Mobile       |      3432 | 2020-02-22 |
|      5 | Anti-Virus   |      5648 | 2020-03-10 |
+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

f)Commit the current transaction and check the details of the table Order\_Details.

```
mysql> select * from Order_Details;
+-----+-----+-----+-----+
| Order_ID | Product_Name | Order_Num | Order_Date |
+-----+-----+-----+-----+
|      3 | Desktop      |      2135 | 2020-01-05 |
|      4 | Mobile       |      3432 | 2020-02-22 |
|      5 | Anti-Virus   |      5648 | 2020-03-10 |
+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

g)Disable autocommit and create a savepoint named 'Check\_Updates'

```
mysql> SET AUTOCOMMIT = 0;
Query OK, 0 rows affected (0.00 sec)

mysql> SAVEPOINT Check_Updates;
Query OK, 0 rows affected (0.00 sec)
```

h)Update details of the order with Order\_Num 5544

```
mysql> select * from Order_Details;
+-----+-----+-----+-----+
| Order_ID | Product_Name | Order_Num | Order_Date |
+-----+-----+-----+-----+
|      3 | Desktop      |      2135 | 2020-01-05 |
|      4 | Mobile       |      3432 | 2020-02-22 |
|      5 | Anti-Virus   |      5648 | 2020-03-10 |
|      1 | Laptop       |      5544 | 2020-03-12 |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

i)insert 2 more rows into the table.

```
mysql> select * from Order_Details;
+-----+-----+-----+-----+
| Order_ID | Product_Name | Order_Num | Order_Date |
+-----+-----+-----+-----+
| 3 | Desktop | 2135 | 2020-01-05 |
| 4 | Mobile | 3432 | 2020-02-22 |
| 5 | Anti-Virus | 5648 | 2020-03-10 |
| 1 | Laptop | 5544 | 2020-03-12 |
| 6 | Keyboard | 5478 | 2020-05-08 |
| 7 | Monitor | 3467 | 2020-08-24 |
+-----+-----+-----+-----+
6 rows in set (0.00 sec)
```

j)Create a savepoint named 'Check\_delete'

```
mysql> SAVEPOINT Check_delete;
Query OK, 0 rows affected (0.00 sec)
```

k)Delete order details of a product named 'Laptop'.

```
mysql> select * from Order_Details;
+-----+-----+-----+-----+
| Order_ID | Product_Name | Order_Num | Order_Date |
+-----+-----+-----+-----+
| 3 | Desktop | 2135 | 2020-01-05 |
| 4 | Mobile | 3432 | 2020-02-22 |
| 5 | Anti-Virus | 5648 | 2020-03-10 |
| 6 | Keyboard | 5478 | 2020-05-08 |
| 7 | Monitor | 3467 | 2020-08-24 |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

l)Display the current details of the table Order\_Details.

```
mysql> select * from Order_Details;
+-----+-----+-----+-----+
| Order_ID | Product_Name | Order_Num | Order_Date |
+-----+-----+-----+-----+
| 3 | Desktop | 2135 | 2020-01-05 |
| 4 | Mobile | 3432 | 2020-02-22 |
| 5 | Anti-Virus | 5648 | 2020-03-10 |
| 6 | Keyboard | 5478 | 2020-05-08 |
| 7 | Monitor | 3467 | 2020-08-24 |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

m)Rollback to savepoint 'Check\_delete' and check the details of the table Order\_Details

```
mysql> select * from Order_Details;
+-----+-----+-----+-----+
| Order_ID | Product_Name | Order_Num | Order_Date |
+-----+-----+-----+-----+
|      3 | Desktop      |      2135 | 2020-01-05 |
|      4 | Mobile       |      3432 | 2020-02-22 |
|      5 | Anti-Virus   |      5648 | 2020-03-10 |
|      1 | Laptop       |      5544 | 2020-03-12 |
|      6 | Keyboard     |      5478 | 2020-05-08 |
|      7 | Monitor      |      3467 | 2020-08-24 |
+-----+-----+-----+-----+
6 rows in set (0.01 sec)
```

n)Rollback to savepoint 'Check\_Updates' and check the details of the table Order\_Details.

```
mysql> select * from Order_Details;
+-----+-----+-----+-----+
| Order_ID | Product_Name | Order_Num | Order_Date |
+-----+-----+-----+-----+
|      3 | Desktop      |      2135 | 2020-01-05 |
|      4 | Mobile       |      3432 | 2020-02-22 |
|      5 | Anti-Virus   |      5648 | 2020-03-10 |
+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

o)Commit the changes and enable autocommit.

```
mysql> COMMIT;
Query OK, 0 rows affected (0.00 sec)

mysql> SET AUTOCOMMIT = 1;
Query OK, 0 rows affected (0.00 sec)
```