**Practical 1 :**Implementation of DDL(Data Definition Language) commands of SQL

1. **Create :**

The create table command is used to create a new table in a database.

**Syntax:**

create table table\_name( column1 datatype, column2 datatype, column3 datatype,….);

**Example :**

Create table Employe(Emp\_id integer(10),Name varchar(20),Department varchar(10),Salary integer(10));

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

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

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

| Emp\_id | int | YES | | NULL | |

| Name | varchar(20) | YES | | NULL | |

| Department | varchar(10) | YES | | NULL | |

| Salary | int | YES | | NULL | |

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1. **Alter :**

The alter table command is used to add, delete, or modify columns in an existing table.

* **Add :**

To add a column in a table

**Syntax:** alter table table\_name add (column\_name datatype);

**Example :**

alter table Employe add(Mobile\_No varchar(12));

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

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

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

| Emp\_id | int | YES | | NULL | |

| Name | varchar(20) | YES | | NULL | |

| Department | varchar(10) | YES | | NULL | |

| Salary | int | YES | | NULL | |

| Mobile\_No | varchar(12) | YES | | NULL | |

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* **Modify :**

To change the data type of a column in a table.

**Syntax:**

alter table table\_name modify column\_name datatype;

**Example:**

alter table Employe modify Mobile\_No integer(12));

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

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

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

| Emp\_id | int | YES | | NULL | |

| Name | varchar(20) | YES | | NULL | |

| Department | varchar(10) | YES | | NULL | |

| Salary | int | YES | | NULL | |

| Mobile\_No | int | YES | | NULL | |

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* **Drop :**

To delete a column in a table.

**Syntax:**

alter table table\_name drop column\_name;

**Example :**

alter table Employe drop Mobile\_No;

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

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

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

| Emp\_id | int | YES | | NULL | |

| Name | varchar(20) | YES | | NULL | |

| Department | varchar(10) | YES | | NULL | |

| Salary | int | YES | | NULL | |

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1. **Drop:**

Drop table statement is used to delete a table definition and all data from a table.

**Syntax :**

Drop table table\_name;

**Example :**

drop table Employe;

**mysql> drop table Employe;**

**Query OK, 0 rows affected (0.01 sec)**

**mysql> describe Employe;**

**ERROR 1146 (42S02): Table 'lucky.employe' doesn't exist**

**Practical 2 :**Implementation of DML(Data Manipulation Language) commands of SQL

1. **Insert:**

If we want to add some data in the table we need to use INSERT command.

**Syntax:**

insert into table\_name values(val1,val2,val3,val4);

**Example:**

insert into Employe values(101,'KAMAL PANDEY','CS',75000);

insert into Employe values(102,'DEEPAK SINGH’,'CS',75000);

insert into Employe values(103,KARAN PANDEY ','Transport',25000);

insert into Employe values(104,'VINEET BISHT’,'Transport',25000);

insert into Employe values(105,'VINAY JOSHI ','Manager',85000);

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

| Emp\_id | Name | Department | Salary |

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

| 101 | KAMAL PANDEY | CS | 75000 |

| 102 | DEEPAK SINGH | CS | 75000 |

| 103 | KARAN PANDEY | Transport | 25000 |

| 104 | VINEET BISHT | Transport | 25000 |

| 105 | VINAY JOSHI | Manager | 85000 |

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1. **Update :**

The UPDATE command is used to modify the existing records in a table.

**Syntax:**

update table\_name set column1 = value1, column2 = value2, ...where condition;

**Example:**

update Employe set Name ='RAHUL JOSHI' where Emp\_id=103;

update Employe set Department ='Sales' where Emp\_id=104;

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

| Emp\_id | Name | Department | Salary |

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

| 101 | KAMAL PANDEY | CS | 75000 |

| 102 | DEEPAK SINGH | CS | 75000 |

| 103 | RAHUL JOSHI | Transport | 25000 |

| 104 | VINEET BISHT | Sales | 25000 |

| 105 | VINAY JOSHI | Manager | 85000 |

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1. **Delete :**

The DELETE command is used to delete existing records in a table.

**Syntax:**

delete from table\_name where condition ;

**Example:**

delete from Employee where Emp\_id=105

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| Emp\_id | Name | Department | Salary |

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

| 101 | KAMAL PANDEY | CS | 75000 |

| 102 | DEEPAK SINGH | CS | 75000 |

| 103 | RAHUL JOSHI | Transport | 25000 |

| 104 | VINEET BISHT | Sales | 25000 |

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