**Experiment: 03**

**Aim: Create a database using Data Definition Language (DDL) and apply integrity constraints for the specified system.**

**Case Study Title – Currency Converter**

**Output -**

**Execute the following commands on MySQL.**

**Data Definition Language (DDL)**

**==============================**

1. Create Database

create database databasename;

1. Create table Syntax

create table table\_name(

column1 datatype(size),

………

columnN datatype(size),

constraint(s) ) ;

1. Check the table structure

desc tablename

1. Alter table add / modify / drop

alter table table\_name add newcolumn\_name datatype(size)

alter table table\_name modify column\_name newdatatype(newsize)

1. Drop Table

Drop table tablename;

1. rename table oldtable to newtable
2. Using alter table add primary key and foreign key

alter table tablename modify colname datatype(size) primary key

alter table tablename add foreign key(colname) references tablename(colname);

**Integrity Constraints**

**Apply the following integrity constraints while using the DDL Commands.**

* Primary Key
  + - Column\_name datatype(size) primary key
* Foreign Key
  + - Foreign key (Fkey) references table\_name(PKey)
* NULL
  + - column\_name datatype(size) not null
* Default
  + - column\_name datatype(size) default “Mumbai**”**
* Unique
  + - Column\_name datatype(size) unique

**Attach the commands in Text format.**

**Conclusion:**

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| We have successfully created a database using DDL (Data Definition Language ) commands. |
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