**Lab # 08:**

**Lab title:**

**“Implementation of DDL Commands”**

**Lab Objectives:**

* Explore more commands in SQL
* Learn about the DDL commands

**Introduction:**The Data Definition Language (DDL) in databases focuses on defining and managing the structure of the database. It includes commands that allow users to create, modify, and delete database objects such as tables, indexes, views, and schemas.

**In-Lab Tasks:**

**Task # 01:**

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| --- |
| use foodbakers;  alter table campus  add email\_id varchar(30);  alter table members  add year\_of\_joining date;  alter table order\_line  add brand varchar(20); |

**Task # 02:**

|  |
| --- |
| alter table position  modify column position char(20);  alter table campus  modify column zip varchar(5);  alter table members  modify column first\_name varchar(20); |

**Task # 03:**

|  |
| --- |
| alter table campus  drop column email\_id;  alter table members  drop column last\_name;  alter table prices  drop column meal\_type; |

**Task # 04:**

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| --- |
| alter table campus  rename column campus\_name to c\_name;  alter table members  add column last\_name char(20);  alter table members  rename column last\_name to l\_name; |

**Task # 05:**

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| --- |
| -- we have to drop or modify foreign key constraint first  alter table orders drop foreign key member\_id;  drop table members;  drop table prices; |

**Task # 06:**

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| --- |
| rename table campus to campus\_detail;  rename table orders to order\_detail; |

**Post-Lab Tasks:**

**Task # 01:**

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| --- |
| create table book\_register(  acc\_no varchar(30),  isbn\_no varchar(20) not null primary key,  book\_title varchar(50),  book\_type varchar(20),  author\_name varchar(50) not null,  quantity int not null,  pur\_date date not null,  edition varchar(10) not null,  price int not null,  no\_pages int,  bill\_number varchar(25) not null,  pub\_name varchar(35) not null,  pub\_address varchar(65),  email\_id varchar(25),  contact float); |

**Task # 02:**

|  |
| --- |
| alter table book\_register  rename column acc\_no to account\_num; |

**Task # 03:**

|  |
| --- |
| alter table book\_register  drop column pub\_name; |

**Task # 04**

|  |
| --- |
| alter table book\_register  modify price varchar(15); |