Lab 3: DDL & DML Operations

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1. The Lab Tasks were performed in Linux so in the Last Task the Directory are shown by Forward Slashes

# Task 1

## Code

CREATE TABLE IF NOT EXISTS Student

(

snum int PRIMARY KEY,

sname char(30),

major char(25),

level char(2)

);

CREATE TABLE IF NOT EXISTS Faculty

(

fid int PRIMARY KEY,

fname char(30),

deptid int

);

CREATE TABLE IF NOT EXISTS Class

(

cname char(40),

meets\_at char(20),

room char(10),

fid int,

FOREIGN KEY (fid) REFERENCES Faculty(fid)

);

CREATE TABLE IF NOT EXISTS Enrolled

(

snum int,

cname char (40),

FOREIGN KEY (snum) REFERENCES Student(snum),

FOREIGN KEY (fid) REFERENCES Class(cname)

);

## Logs

# Task 2 & 3

## Code

ALTER TABLE Student ADD COLUMN IF NOT EXISTS age int

CHECK (age >= 18 & age <=35);

## Logs

## 

# Task 4

## Code

ALTER TABLE Student

MODIFY COLUMN sname varchar(30);

ALTER TABLE Faculty

MODIFY COLUMN fname varchar(30);

ALTER TABLE Class

MODIFY COLUMN cname varchar(40);

ALTER TABLE Enrolled

MODIFY COLUMN cname varchar(40);

## Logs

## 

# Task 5

## Code

ALTER TABLE Faculty

MODIFY COLUMN deptid int NOT NULL;

## Logs

## 

# Task 6

## Code

USE DataBase1;

#TASK 6

LOAD DATA INFILE '/home/shahzaib/Desktop/student.txt'

INTO TABLE Student FIELDS TERMINATED BY ','

LINES TERMINATED BY '\n';

LOAD DATA INFILE '/home/shahzaib/Desktop/faculty.txt'

INTO TABLE Faculty FIELDS TERMINATED BY ','

LINES TERMINATED BY '\n';

LOAD DATA INFILE '/home/shahzaib/Desktop/class.txt'

INTO TABLE Class FIELDS TERMINATED BY ','

LINES TERMINATED BY '\n';

LOAD DATA INFILE '/home/shahzaib/Desktop/enrolled.txt'

INTO TABLE Enrolled FIELDS TERMINATED BY ','

LINES TERMINATED BY '\n';

## Tables

### Student

### Faculty

### 

### Class

### 

### Enrolled

## Logs

## 