**NEPAL COLLEGE OF INFORMATION TECHNOLOGY**

**BALKUMARI LALITPUR**



**(Affiliated To Pokhara University)**

**LAB REPORT #** 1

**SUBJECT : Database Management System**

**Submitted By : Submitted To :  
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**Semester :** 4th

OBJECTIVE

To practice and Implement data definition language commands and constraints.

LAB EXERCISE :

1) Create a table called Employee with following structure :

|  |  |
| --- | --- |
| Column Name | DataType |
| E\_ID | int |
| E\_NAME | varchar(25) |
| E\_ADDRESS | varchar(50) |
| D\_ID | int |

2) Allow Null for all columns except E\_ID and E\_NAME.

= CREATE TABLE Employee(E\_ID int NOT NULL,E\_NAME varchar(25) NOT NULL,E\_ADDRESS varchar(50),D\_ID int);

3) Add a cloumn JoinDate in table Employee.

= ALTER TABLE Employee ADD JoinDate int;

4) Modify a column JoinDate of Table Employee.

= ALTER TABLE Employee MODIFY JoinDate varchar(25);

5) Create a table called Department with following structure :

|  |  |
| --- | --- |
| Column Name | DataType |
| D\_ID | int |
| D\_NAME | varchar(15) |

D\_ID as a primary key.

= CREATE TABLE Department(D\_ID int NOT NULL PRIMARY KEY,D\_NAME varchar(15));

6) Add Constraint to specify D\_ID as foreign key in Employee table :

= ALTER TABLE Employee ADD CONSTRAINT fkey FOREIGN KEY(D\_ID) REFERENCES Department(D\_ID);

7) Drop a column JoinDate in table Employee :

= ALTER TABLE Employee DROP COLUMN JoinDate;

8) Truncate Employee table and Drop Department Table :

= TRUNCATE TABLE Employee;

= ALTER TABLE Employee DROP FOREIGN KEY fkey;

= DROP TABLE Department;