**MySQL Assignment -1 (DDL)**

1. **Login to MySQL and view all databases already present.**

**Query :-**

* show databases;

1. **Write an SQL statement to create a simple table countries including columns country\_id,country\_name and region\_id. After this display the structure of table.**

**Query : -**

* create table countries

(country\_id int,

country\_name varchar(20),

region\_id int);

1. **Write an SQL statement to create a table named jobs including columns job\_id, job\_title, min\_salary, max\_salary and check whether the max\_salary amount exceeding the upper limit 25000. Also set job\_id as primary key and entering null values for job\_title is not allowed.**

**Query :-**

* create table jobs

(job\_id int primary key,

job\_title varchar(20) not null,

min\_salary decimal(7,2),max\_salary decimal(7,2),

check(max\_salary<=25000));

**4. Write a SQL statement to create a table named job\_histry including columns employee\_id, start\_date, end\_date, job\_id and department\_id.**

**Query :-**

* create table job\_history

(employee\_id int,

start\_date date,

end\_date date,

job\_id int,

department\_id int);

**5. Write an SQL statement to alter a table named countries to make sure that no duplicate data against column country\_id will be allowed at the time of insertion.**

**Query :-**

* alter table countries

modify column country\_id int unique;

**6. Write an SQL statement to create a table named jobs including columns job\_id, job\_title, min\_salary and max\_salary, and make sure that, the default value for job\_title is blank and min\_salary is 8000 and max\_salary is NULL will be entered automatically at the time of insertion if no value assigned for the specified columns.**

**Query :-**

* create table jobs

(job\_id int,

job\_title varchar(20) default '',

min\_salary decimal(7,2) default 8000,

max\_salary decimal(7,2) default NULL);

**7. Create a Department table with following structure.**

**Query :-**

* create table department

(department\_id decimal(4,0)default 0,

department\_name varchar(30)not null,

manager\_id decimal(6,0)default 0,

location\_id decimal(4,0),

primary key(department\_id,manager\_id));

**8. Write an SQL statement to create a table employees including columns**

**employee\_id, first\_name, last\_name, email, phone\_number hire\_date, job\_id,**

**salary, commission, manager\_id and department\_id and make sure that, the**

**employee\_id column does not contain any duplicate value at the time of**

**insertion and the foreign key columns combined by department\_id and**

**manager\_id columns contain only those unique combination values, which**

**combinations are exists in the departments table.**

**Query :-**

* create table employees

(employee\_id decimal(5,0) primary key,

first\_name varchar(20)not null,

last\_name varchar(20)not null,

email varchar(30) unique,

phone\_number int,

hire\_date date ,

job\_id int,

salary decimal(7,2),

commision decimal(5,2),

mgr\_id decimal(6,0),

d\_id decimal(4,0),

foreign key(d\_id,mgr\_id)

references department(department\_id,manager\_id));