

LAB – 17

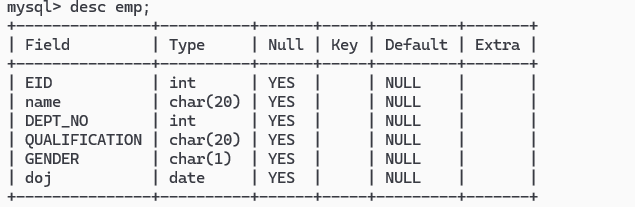
Aim: MySQL Set 1, DDL commands 1

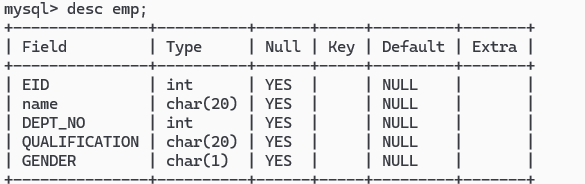
COMMANDS:

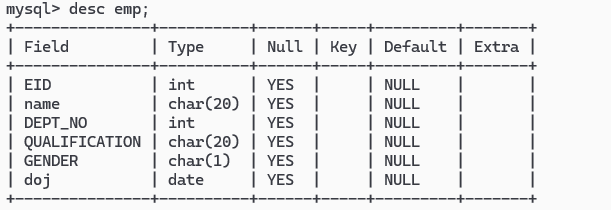
#MySQL commands to create a database and a table in the database  
create database if not exists L17;  
show databases;  
use L17;  
create table employee(EID int, name char(20), DEPT\_NO int, QUALIFICATION char(20), GENDER  
char(1));

#MySQL commands to display the table description and rename it  
desc employee;  
alter table employee rename emp;

#MySQL commands to show the tables in the database L17   
show tables;





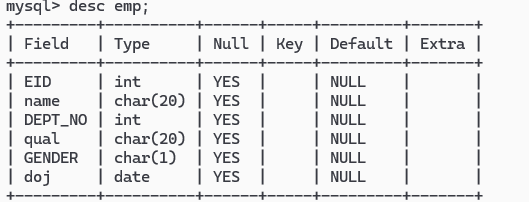


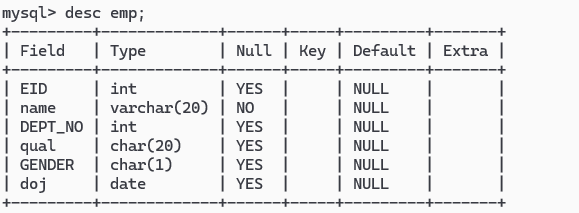
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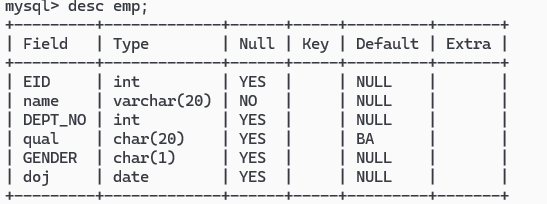
AIM: MySQL Set 1, DDL Commands 2

ALTER COMMANDS:

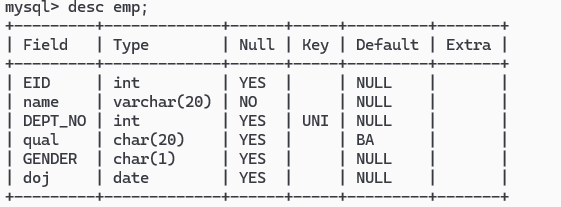
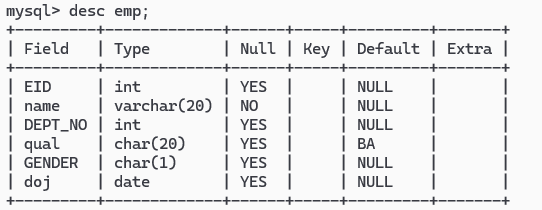
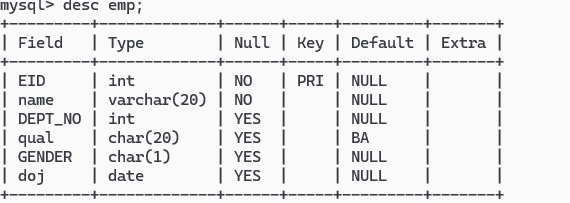
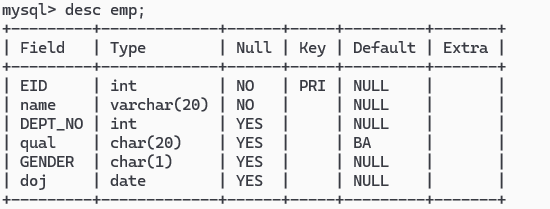
1. # To add a new column doj type – date  
   alter table emp add column doj date;  
   desc emp;
2. # Drop columns doj  
   alter table emp drop column doj;  
   desc emp;
3. # Add column and change the data type  
   alter table emp add column doj char(20);  
   alter table emp modify doj date;  
   desc emp;
4. # Change column name of qualification to qual  
   alter table emp rename column QUALIFICATION to qual;  
   desc emp;
5. # Add not null constraint  
   alter table emp modify name varchar(20) not null;  
   desc emp;
6. # Add default constraint to qual  
   alter table emp modify column qual set default ‘BA’;  
   desc emp;
7. #Add a unique key to dept\_no  
   alter table emp modify DEPT\_NO int unique;  
   desc emp;
8. #Remove unique key  
   alter table emp drop index DEPT\_NO;  
   desc emp;







1. # Add primary key to Employee ID  
   alter table emp add primary key(EID);  
   desc emp;
2. # Create unique constraint for EID and name using constraint name  
   alter table emp add constraint con unique(EID,name);  
   desc emp;

1. Display the content of the employee table in descending order
2. Display all male employees who’s qualification is BCA
3. Count and display the nuber of employees department wise
4. Display all employees who have joined between 2000 and 2018.
5. To display the different departments
6. Display all employees who have joined in the month of February
7. Display the departments which have more than 2 employees
8. Display deatails of employees having qualifications BCA, B.Tech or M.Tech
9. Display the names of the employees having ‘A’ as the second letter
10. Display employee whose name is missing

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1. Display all employees whose salary is more then 40000
2. Display name and salary of all employees whose designation is salesman
3. Display the maximum salary among managers and clerks from the table
4. Display EmpID and salary of the employee with the maximum salary
5. Display first name and total salary of all managers from the tables

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AIM:

write a menu-driven program for table creation using python- MySQL

Interface with the following menu

MENU:

1.create database

2.show created database and tables

3.add attributes to table

4.modify attribute

5.drop attribute

6.exit