**MySQL DAY 1 (20-SEP-2023)**

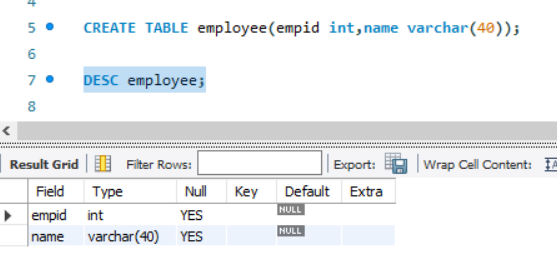
CREATE DATABASE learningmysql;

USE learningmysql;



CREATE TABLE employee(empid int,name varchar(40));

DESC employee;



INSERT INTO employee(empid,name) VALUE(1008822,'NITIN');

INSERT INTO employee VALUE(1008830,'AKSHAY'),(1008820,'NIRAJ');

SELECT \* FROM EMPLOYEE;

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create table shirts (name varchar(30),size enum('xsmall','small','medium','large'));

insert into shirts values('POLO','small');

insert into shirts values('corcs','large');

insert into shirts values('JP','asdf');

create table member (Member\_Id int(5) primary key,Member\_Name varchar(20),Member\_address varchar(10),Acc\_Open\_Date date,Membership\_type enum('Lifetime','Annual','Half Yearly','Quarterly'),Fees\_paid int(5),Max\_Books\_Allowed int(2),Penalty\_Amount double);

-- INSERT INTO MEMBER VALUE(1,'NITIN','JALGAON',)

show databases;

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select \* from shirts;

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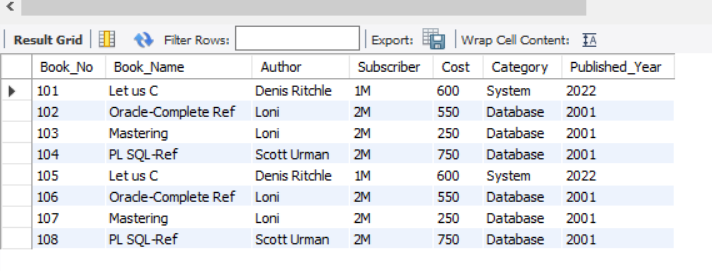
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create table book(Book\_No int,Book\_Name varchar(30),Author varchar(20),Cost int,Category varchar(10));

insert into book values(101,'Let us C','Denis Ritchle',450,'System'),(102,'Oracle-Complete Ref','Loni',550,'Database'),(103,'Mastering','Loni',250,'Database'),(104,'PL SQL-Ref','Scott Urman',750,'Database');

#1 Select all the records.

select \* from book;



#2 Select records whoes cost between >=500 and <=700

select \* from book where Cost>=500 and Cost<=700;

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#3 Find record with book name staring with O letter

select \* from book where Book\_Name like 'O%';

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#4 find records whose cost is < avg cost

select \* from book where Cost<(select avg(Cost) from book);

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#5 create new table with same structure

create table booknew like book;

select \* from booknew;

insert into booknew values(105,'Let us C','Denis Ritchle',450,'System'),(106,'Oracle-Complete Ref','Loni',550,'Database'),(107,'Mastering','Loni',250,'Database'),(108,'PL SQL-Ref','Scott Urman',750,'Database');

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#6 create new table as copy of books

create table bookstr as select \* from book;

select \* from bookstr;

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#7 create new table with database as category

Create table onlydatabase as (select \* from book where Category = 'Database');

select \* from onlydatabase;

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#8 find record with max cost

select \* from book where Cost=(select max(Cost) from book);

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#9 find record with min cost

select \* from book where Cost=(select min(Cost) from book);

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#10 find name of the author who has published more than one book

select Author from book group by Author having count(Book\_Name)>1;

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#11 Update cost of book (old +150) where book name is let us C.

SET SQL\_SAFE\_UPDATES = 0;

UPDATE book SET Cost=Cost+150 WHERE Book\_Name like 'Let us C';

select \* from book;

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#12 select book name under category of Databse only

select Book\_Name from book where Category = 'Database';

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#13 select book name, cost under category(Databse,System)

select Book\_Name, Cost from book where Category = 'Database' or Category = 'System';

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#14 select book records where cost is less than 500

SELECT \* FROM book WHERE Cost < 500;

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#15 Alter table add new column published year

ALTER TABLE book ADD Published\_Year Int;

update book set Published\_Year=2001 where Category='Database';

update book set Published\_Year=2022 where Category='System';

Select \* from book;

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#16 Alter table add subscriber after author

ALTER TABLE book ADD Subscriber varchar(20) AFTER Author;

update book set Subscriber='2M' where Category='Database';

update book set Subscriber='1M' where Category='System';

Select \* from book;

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