mysql> SELECT*FROM STUDENT;

REGNO	NAME	GENDER	DOB	MOBILENO	CITY
102 103		M M	2004-11-12 2004-01-22 2005-05-07 2004-11-27	98765 981235	CHENNAI TRICHY VELLORE MADURAI

4 rows in set (0.01 sec)

mysql> DESC STUDENT;

Field	Туре	Null	Key	Default	Extra
REGNO NAME GENDER DOB MOBILENO CITY	varchar(15) char(1) date	YES YES YES		NULL NULL NULL NULL NULL	

6 rows in set (0.04 sec)

mysql> UPDATE STUDENT SET NAME = 'UPDATED STUDENT' WHERE REGNO = 103;

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> SELECT*FROM STUDENT;

REGNO	NAME	GENDER	DOB	MOBILENO	CITY
102 103	DEVAA ROGER UPDATED STUDENT HARINI		2004-11-12 2004-01-22 2005-05-07 2004-11-27	98765 981235	CHENNAI TRICHY VELLORE MADURAI

4 rows in set (0.00 sec)

mysql	>	SEL	ECT	*FRO	M F	ACU	LTY:
-------	---	-----	-----	------	-----	-----	------

FACNO	FACNAME	GENDER	DOB	DOJ	MOBILENO
1111	SUJI	F	1978-05-30	2020-08-16	11111
2222	SANKAR GANESH	M		2021-09-08	55555
1	SANKAR	M		2000-11-14	12345
3	SUJI	F		2002-09-24	98765
7	ANBU	M		1997-08-04	985615

5 rows in set (0.00 sec)

mysql> ALTER TABLE FACULTY ADD RESIGNED VARCHAR(5);

Query OK, 5 rows affected (0.06 sec)

Records: 5 Duplicates: 0 Warnings: 0

mysql> UPDATE FACULTY SET RESIGNED = 'YES' WHERE FACNO=7;

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> SELECT*FROM FACULTY;

FACNO	FACNAME	GENDER	DOB	DOJ	MOBILENO	RESIGNED
1111 2222 1 3 7	SANKAR GANESH SANKAR	F	1978-05-30 1991-03-12	2020-08-16 2021-09-08 2000-11-14 2002-09-24 1997-08-04	55555 12345 98765	NULL NULL NULL NULL YES

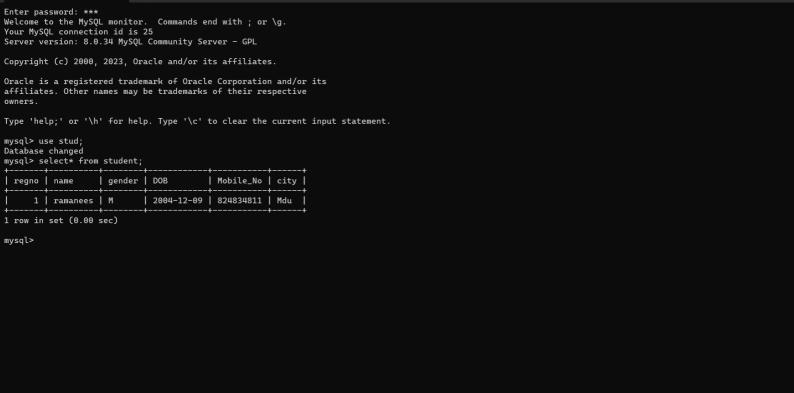
5 rows in set (0.00 sec)

mysql> DELETE FROM FACULTY WHERE RESIGNED = 'YES'; Query OK, 1 row affected (0.01 sec)

mysql> SELECT*FROM FACULTY;

FACNO	FACNAME	GENDER	DOB	DOJ	MOBILENO	RESIGNED
1111 2222 1 3	SUJI SANKAR GANESH SANKAR SUJI	:	1989-01-20 1978-05-30 1991-03-12 1981-02-01	2021-09-08 2000-11-14	:	NULL NULL NULL NULL

4 rows in set (0.00 sec)

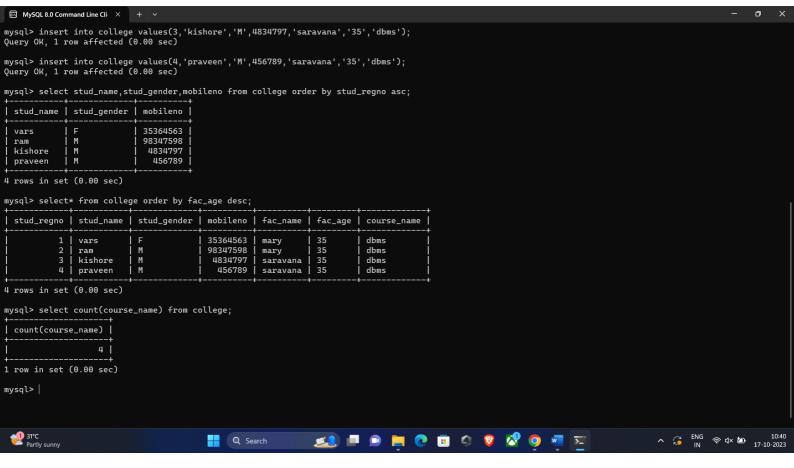


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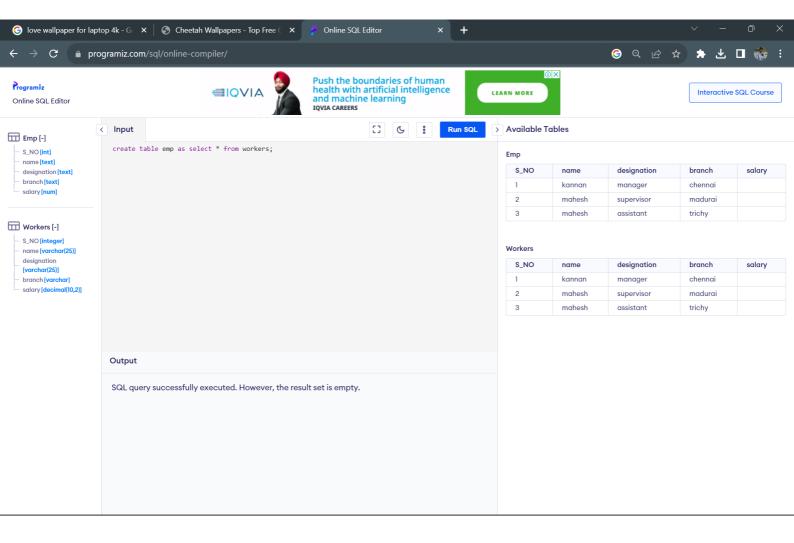
 $lue{ }$ MySQL 8.0 Command Line Cli imes + imes

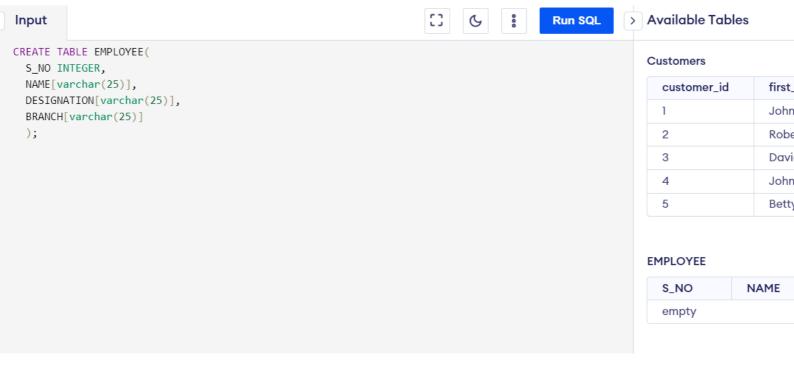
31°C Near record

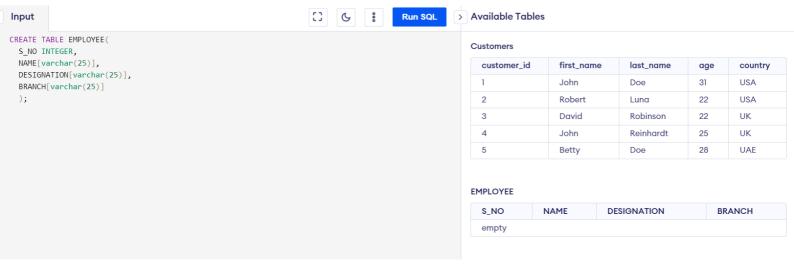
Q Search



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 MySQL 8.0 Command Line Cli
mysql> SAVEPOINT MY_SAVEPOINT;
Query OK, 0 rows affected (0.00 sec)
mysql> ROLLBACK TO MY_SAVEPOINT;
ERROR 1305 (42000): SAVEPOINT MY_SAVEPOINT does not exist
mysql> ROLLBACK TO SAVEPOINT;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manua
mysql> SAVEPOINT MY_SAVEPOINT;
Query OK, 0 rows affected (0.00 sec)
mysql> CREATE TABLE CLASS(ID INT PRIMARY KEY, NAME VARCHAR (30));
Query OK, 0 rows affected (0.03 sec)
mysql> SAVEPOINT SAVEPOINT1;
Query OK, 0 rows affected (0.00 sec)
mysql> INSERT INTO CLASS VALUES(1,'MATH'),
    -> (2,'PHYSICS'),
    -> (3,'BIOLOGY');
Query OK, 3 rows affected (0.01 sec)
Records: 3 Duplicates: 0 Warnings: 0
mysql> SAVEPOINT SAVEPOINT2;
Query OK, 0 rows affected (0.00 sec)
mysql> INSERT INTO CLASS VALUES(3,'HISTORY'),
    -> (5, 'ENGLISH');
ERROR 1062 (23000): Duplicate entry '3' for key 'PRIMARY'
mysql> INSERT INTO CLASS VALUES(4, 'HISTORY'),
    -> (5,'ENGLISH');
Query OK, 2 rows affected (0.01 sec)
Records: 2 Duplicates: 0 Warnings: 0
mysql> SAVEPOINT SAVEPOINT3;
Query OK, 0 rows affected (0.00 sec)
mysql> ROLLBACK TO SAVEPOINT2;
ERROR 1305 (42000): SAVEPOINT SAVEPOINT2 does not exist
mysql> SELECT*FROM CLASS;
| ID | NAME
   1 | MATH
   2
     PHYSICS
   3
     BIOLOGY
   4
       HISTORY
```







```
insert into employee values(1,'suresh','manager','chennai');
insert into employee values(2,'ramesh','supervisor','madurai');
insert into employee values(3,'hari','assistant','trichy');
```

Customers

customer_id	first_name	last_name	age	country
1	John	Doe	31	USA
2	Robert	Luna	22	USA
3	David	Robinson	22	UK
4	John	Reinhardt	25	UK
5	Betty	Doe	28	UAE

EMPLOYEE

S_NO	NAME	DESIGNATION	BRANCH
1	suresh	manager	chennai
2	ramesh	supervisor	madurai
3	hari	assistant	trichy

alter TABLE EMPLOYEE add salary

Customers

customer_id	first_name	last_name	age	country
1	John	Doe	31	USA
2	Robert	Luna	22	USA
3	David	Robinson	22	UK
4	John	Reinhardt	25	UK
5	Betty	Doe	28	UAE

EMPLOYEE

S_NO	NAME	DESIGNATION	BRANCH	salary
1	suresh	manager	chennai	
2	ramesh	supervisor	madurai	
3	hari	assistant	trichy	

UPDATE EMPLOYEE
SET salary=12000
where s_no=3;

Customers

customer_id	first_name	last_name	age	country
1	John	Doe	31	USA
2	Robert	Luna	22	USA
3	David	Robinson	22	UK
4	John	Reinhardt	25	UK
5	Betty	Doe	28	UAE

EMPLOYEE

S_NO	NAME	DESIGNATION	BRANCH	salary
1	suresh	manager	chennai	12000
2	ramesh	supervisor	madurai	12000
3	hari	assistant	trichy	12000

alter table 'employee' rename to 'emp'

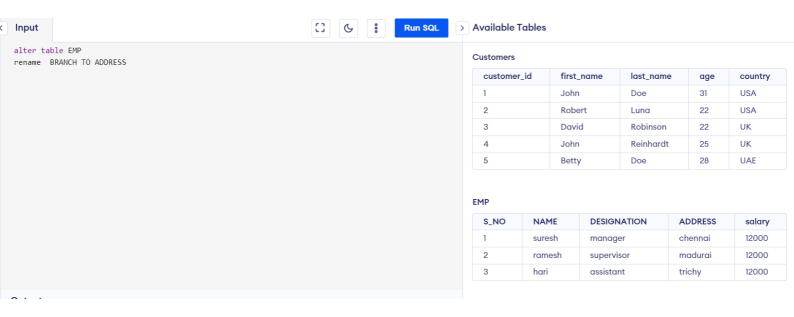
Customers

customer_id	first_name	last_name	age	country
1	John	Doe	31	USA
2	Robert	Luna	22	USA
3	David	Robinson	22	UK
4	John	Reinhardt	25	UK
5	Betty	Doe	28	UAE

Emp

S_NO	NAME	DESIGNATION	BRANCH	salary
1	suresh	manager	chennai	12000
2	ramesh	supervisor	madurai	12000
3	hari	assistant	trichy	12000

^...+n...+



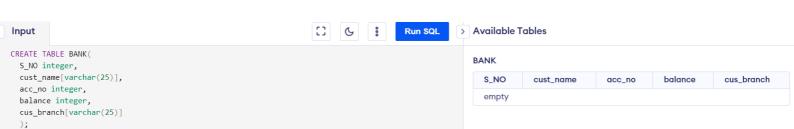
DELETE FROM EMP WHERE S_NO=2;

Customers

customer_id	first_name	last_name	age	country
1	John	Doe	31	USA
2	Robert	Luna	22	USA
3	David	Robinson	22	UK
4	John	Reinhardt	25	UK
5	Betty	Doe	28	UAE

EMP

S_NO	NAME	DESIGNATION	ADDRESS	salary
1	suresh	manager	chennai	12000
3	hari	assistant	trichy	12000



```
insert into BANK values(1,'ramesh','12378','100000','adyar');
insert into BANK values(2,'sam','12367','152500','mylapore');
insert into BANK values(3,'harish','12345','250000','anna salai');
```

BANK

S_NO	cust_name	acc_no	balance	cus_branch
1	ramesh	12378	100000	adyar
2	sam	12367	152500	mylapore
3	harish	12345	250000	anna salai

select * from bank;

S_NO	cust_name	acc_no	balance	cus_branch
1	ramesh	12378	100000	adyar
2	sam	12367	152500	mylapore
3	harish	12345	250000	anna salai

select * from bank where cust_name ="ramesh"

S_NO	cust_name	acc_no	balance	cus_branch
1	ramesh	12378	100000	adyar





select * from bank where balance between 100000 and 200000

S_NO	cust_name	acc_no	balance	cus_branch
1	ramesh	12378	100000	adyar
2	sam	12367	152500	mylapore

select * from bank where balance>150000

S_NO	cust_name	acc_no	balance	cus_branch
2	sam	12367	152500	mylapore
3	harish	12345	250000	anna salai

update bank set cus_branch ="poonamallee"
where s_no=2;

BANK

S_NO	cust_name	acc_no	balance	cus_branch
1	ramesh	12378	100000	adyar
2	sam	12367	152500	poonamallee
3	harish	12345	250000	anna salai

```
CREATE TABLE book(
S_NO INTEGER,
book name[varchar(25)],
author[varchar(25)],
price integer,
publisher[varchar(25)]
);

insert into book values(1, 'dbms', 'seema kedhar',250, 'charulatha');
insert into book values(2, 'toc', 'john martin',400, 'tata mcgraw hill');
insert into book values(3, 'c prog', 'balagurusamy',300, 'technical');
```

Book

S_NO	book	author	price	publisher
1	dbms	seema kedhar	250	charulatha
2	toc	john martin	400	tata mcgraw hill
3	c prog	balagurusamy	300	technical

Customers





select * from book;

S_NO	book	author	price	publisher
1	dbms	seema kedhar	250	charulatha
2	toc	john martin	400	tata mcgraw hill
3	c prog	balagurusamy	300	technical



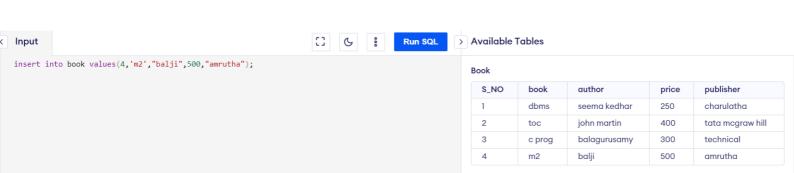




Run SQL

select * from book where price >=300;

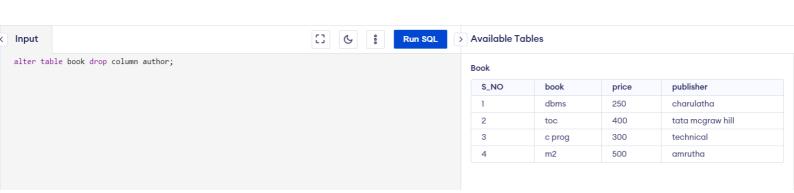
S_NO	book	author	price	publisher
2	toc	john martin	400	tata mcgraw hill
3	c prog	balagurusamy	300	technical

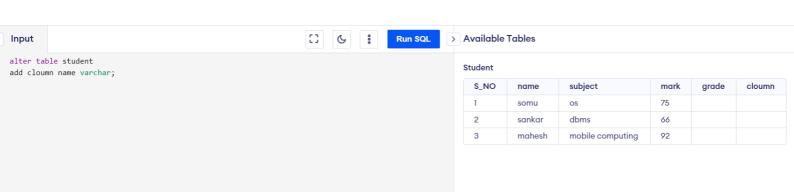


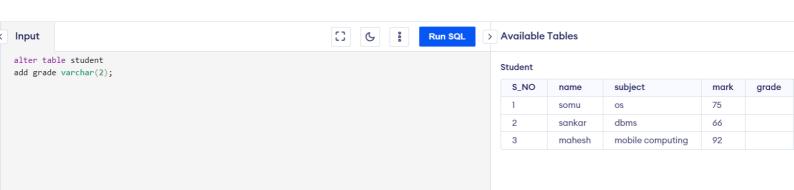


Student

S_NO	name	subject	mark
1	somu	os	75
2	sankar	dbms	66
3	mahesh	mobile computing	92

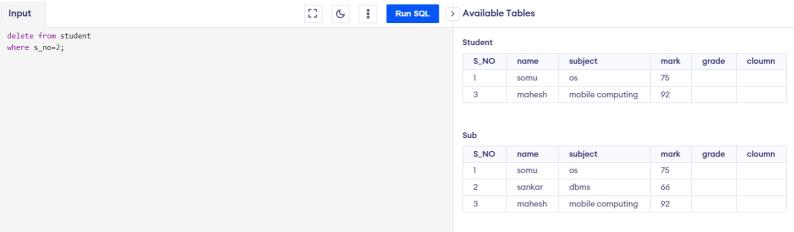


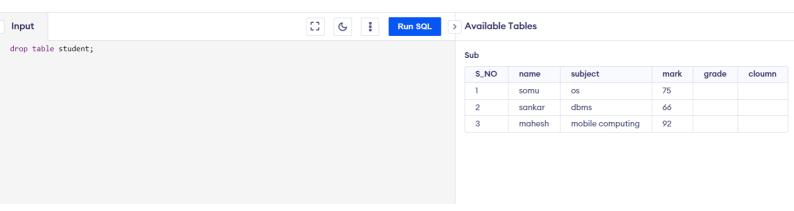


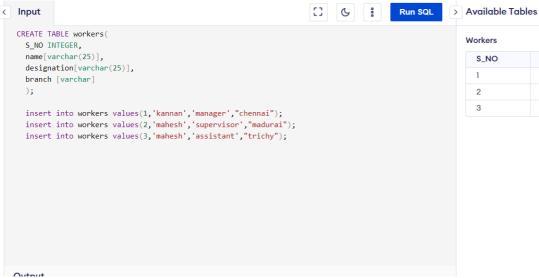




S_NO	name	subject	mark
1	somu	os	75
2	sankar	dbms	66
3	mahesh	mobile computing	92







Workers

S_NO	name	designation	branch
1	kannan	manager	chennai
2	mahesh	supervisor	madurai
3	mahesh	assistant	trichy

