



# SAVEETHA INSTITUTE OF MEDICAL AND TECHNICAL SCIENCES SAVEETHA SCHOOL OF ENGINEERING

# Department of Computer Science and Engineering& Information technology

CS016 - Database Management

SystemsLab Manual

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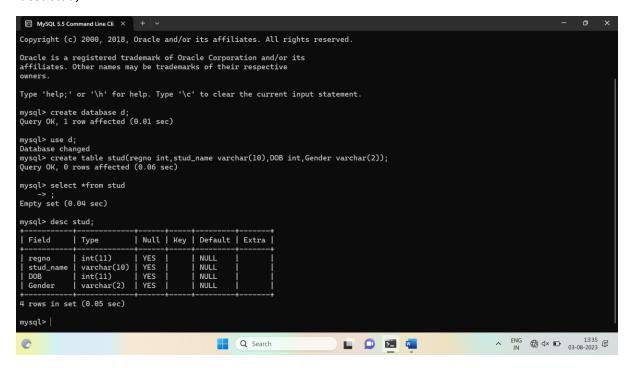
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#### **CREATING TABLE**

**SYNTAX:** 

create table stud(regno int,stud\_name varchar(10),DOB int,Gender varchar(2));

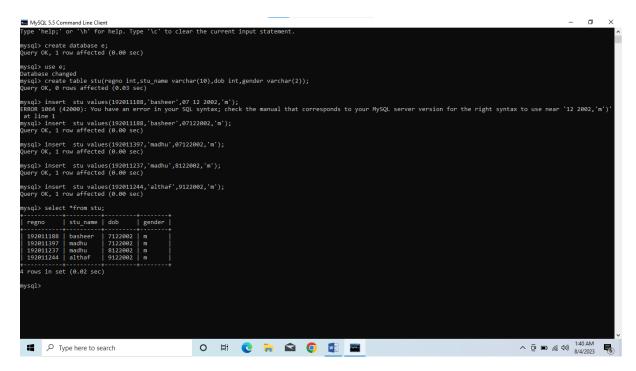
desc stud;



#### **INSERTING VALUES**

#### **SYNTAX:**

```
create table stu(regno int,stu_name varchar(10),dob int,gender varchar(2)); insert stu values(192011188,'basheer',07122002,'m'); insert stu values(192011397,'madhu',07122002,'m'); insert stu values(192011237,'madhu',8122002,'m'); select *from stu;
```



#### **ALTER TABLE**

#### SYNTAX:

```
alter table stu add age int;
```

insert stu values(192011244, 'althaf', 9122002, 'm', 20);

insert stu values(192011188, 'basheer', 07122002, 'm', 20);

insert stu values(192011237, 'madhu', 8122002, 'm', 20);

select \*from stu;

```
mysql> alter table stu add age int;
Query OK, 4 rows affected (0.03 sec)
Records: 4 Duplicates: 0 Warnings: 0
mysql> insert stu values(192011244, althaf',9122002, m',20);
Query OK, 1 row affected (0.00 sec)
mysql> insert stu values(192011188,'basheer',07122002,'m',20);
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.02 sec)
mysql> select *from stu;
 regno
          | stu_name | dob
                                gender age
 192011188 | basheer
                        7122002
                                  m
                                            NULL
 192011397
             madhu
                        7122002
                                            NULL
 192011237
             madhu
                         8122002
                                            NULL
 192011244
             althaf
                         9122002
                                   m
                                            NULL
 192011244
             althaf
                        9122002
                                              20
                                  m
 192011188
                         7122002
             basheer
                                              20
 192011237
             madhu
                        8122002
                                              20
7 rows in set (0.00 sec)
```

#### **UPDATING VALUES**

#### SYNTAX:

update stu set stu\_name='monohar'where regno=192011397; select \*from stu;

#### **OUTPUT:**

```
mysql> update stu set stu name='monohar'where regno=192011397;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0
mysql> select *from stu;
 regno | stu_name | dob | gender | age
 192011188 | basheer | 7122002 | m
192011397 | monohar | 7122002 | m
192011237 | madhu | 8122002 | m
192011244 | althaf | 9122002 | m
192011244 | althaf | 9122002 | m
192011188 | basheer | 7122002 | m
                                                              NULL
                                                              NULL
                                                              NULL
                                                              NULL
                                                                 20
                                                                 20
                                 8122002 | m
  192011237 | madhu
                                                                 20
  rows in set (0.00 sec)
mysql> _
```

#### **DELETEING VALUES IN TABLE**

#### **SYNTAX:**

```
delete from stu where stu_name='madhu';
delete from stu where stu_name='althaf';
select *from stu;
```

#### **VIEW TABLE**

#### SYNTAX:

create view student\_view as select student\_name,marks and subject from student;
select \*from student;

#### **OUTPUT:**

#### **INDEX, SEQUENCE**

#### **SYNTAX:**

create index student name on student(student name);

show index from student;



#### SELECT with various clause\_BETWEEN,IN,AGGREGATE FUNCTION

#### **SYNTAX:**

create table student(student\_name varchar(10),course varchar(10),semester varchar (10),marks int ,subject varchar(10));

insert into student values('basheer',1,'coo1',100,'english');

insert into student values('madhu',2,'coo2',139,'physics');

insert into student values('monohar',3,'coo3',159,'physics')

insert into student values('althaf',5,'coo4',170,'maths');

insert into student values('reehana',4,'coo5',150,'chemister');

insert into student values('vithesh',6,'csa6',175,'database');

select \*from student;

#### **OUTPUT:**

select min(marks)from student where course='coo1';

```
mysql> select min(marks)from student where course='coo1';
+-----+
| min(marks) |
+-----+
| NULL |
+-----+
1 row in set (0.02 sec)
```