

ASSIGNMENT

DBMS Lab

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Database Management



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1. Insert Records

Insert approximate 20 records of distinct students of different (CSE, EC, ME and CE) branch and city (Bhopal, Jabalpur, Indore, Delhi and etc), address, state (accordingly)and pin code (accordingly).

1.1. Source Code

```
insert into student
values
(191112354, 'Naman', '', 'Gupta', 'CSE', 'Jabalpur', 'Itanagar', 'Tamil Nadu', 608911),
(191114456, 'Akhilesh', 'Singh', 'Kumaar', 'EE', 'Nagar', 'Kanpur', 'Uttar Pradesh', 208014),
(191116666, 'Mithlesh', 'Singh', 'Dixit', 'MSME', 'Kolar', 'Bhopal', 'Madhya Pradesh', 462003),
(191112289, 'Modi', 'Singh', 'Kapoor', 'CSE', 'Gujanar', 'Ahemdabab', 'Gujrat', 456789),
(191112875, 'Pranav', 'Kumar', 'Mishra', 'ECE', 'Jaunpur', 'Narsinghpur', 'Madhya Pradesh', 732044),
(191114456, 'Amay', 'Gupta', 'Nagapala', 'CE', 'Kidwai Nagar', 'Kharagpur', 'Maharashtra', 764296),
(191115534, 'Vismay', 'Nitesh', 'Napur', 'ME', 'Koragmandal', 'Bombay', 'Karnataka', 998877),
(191115612, 'Vyom', 'Kumar', 'Gupta', 'CSE', 'Kamal Nagar', 'Satna', 'Madhya Pradesh', 467921),
(191116266, 'Khushi', '', 'Agarwal', 'MSME', 'Brahmosa', 'Agra', 'Uttar Pradesh', 208854),
(191113456, 'Mandu', '', 'Jain', 'CSE', 'Chirag Nagar', 'Bijnor', 'Rajasthan', 312467),
(191114512, 'Hariom', 'Kumar', 'Soni', 'Civil', 'Rivera Town', 'Rewa', 'Madhya Pradesh', 208014),
(191115534, 'Sooraj', 'Singh', 'Nagapala', 'MSME', 'Kolar', 'Bhusaval', 'Kerela', 876122),
(191112734, 'Divyansh', 'Kumar', 'Mishra', 'CSE', 'Saket Nagar', 'Ahemdabab', 'Madhya Pradesh', 575436),
(191112034, 'Sandeep', 'Singh', 'Agarwal', 'ME', 'Koragmandal', 'Kanpur', 'Gujrat', 998877),
(191113434, 'Sooraj', 'Kumar', 'Mithlesh', 'CSE', 'Gujanar', 'Bhopal', 'Karnataka', 462003),
(191113034, 'Rajesh', 'Singh', 'Nagapala', 'ME', 'Koragmandal', 'Ahemdabab', 'Goa', 208854),
(191234034, 'Tanay', '', 'Dixit', 'ME', 'Saket Nagar', 'Bijnor', 'Madhya Pradesh', 208014),
(124552034, 'Sunil', 'Kumar', 'Mishra', 'CSE', 'Kolar', 'Ahemdabab', 'Gujrat', 312467),
(156452034, 'Vismay', 'Singh', 'Agarwal', 'ME', 'Koragmandal', 'Narsinghpur', 'Haryana', 456789),
(192552034, 'Naman', 'Kumar', 'Nagapala', 'MSME', 'Kolar', 'Satna', 'Madhya Pradesh', 732044);
```

1.2. Output

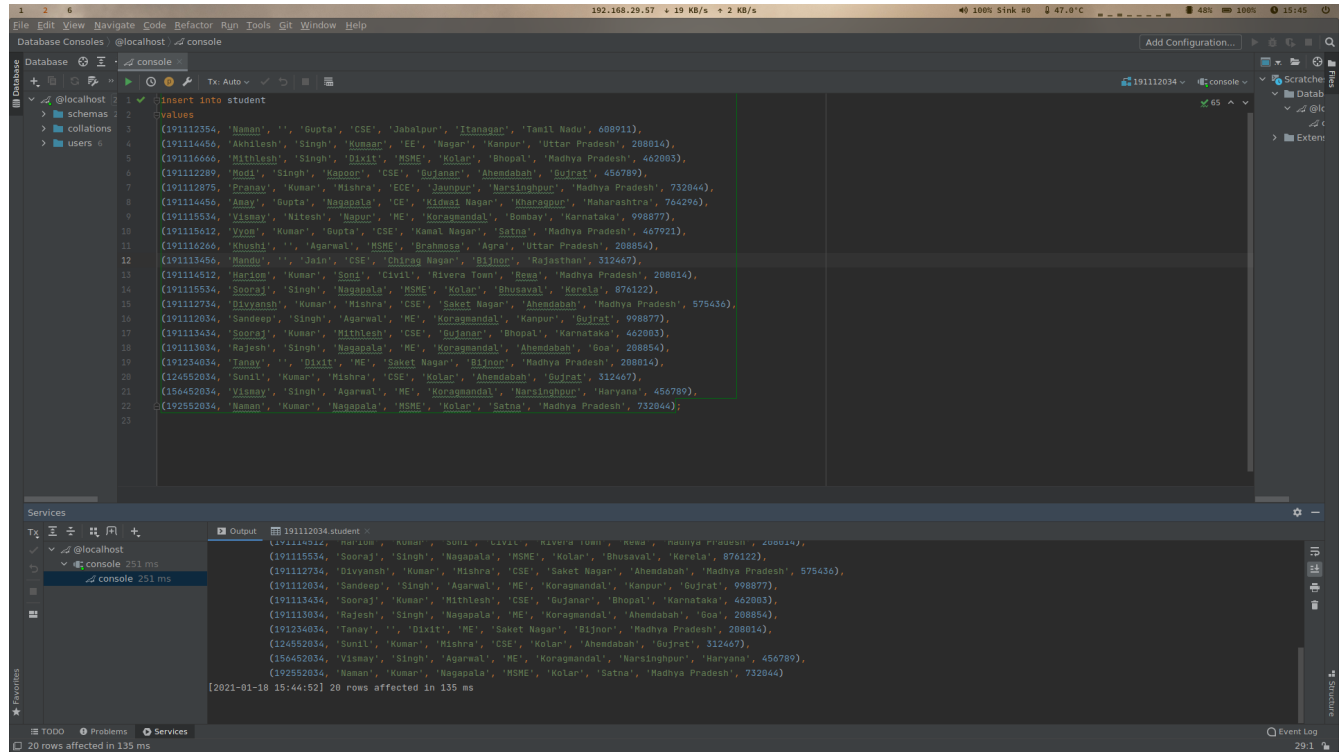


Figure 1: Insert Records

2. Create Table from Existing Table

Create one table as 'Rolllist' with reference of student class.

Field	Data Type	Size
Enrollment_Number	int	20
First_name	varchar	20
Middle_name	varchar	20
Last_name	varchar	20

2.1. Source Code

```

create table Rolllist as
select Enrollment_Number, First_Name, Middle_Name, Last_Name from student;

select * from Rolllist;
  
```

2.2. Output

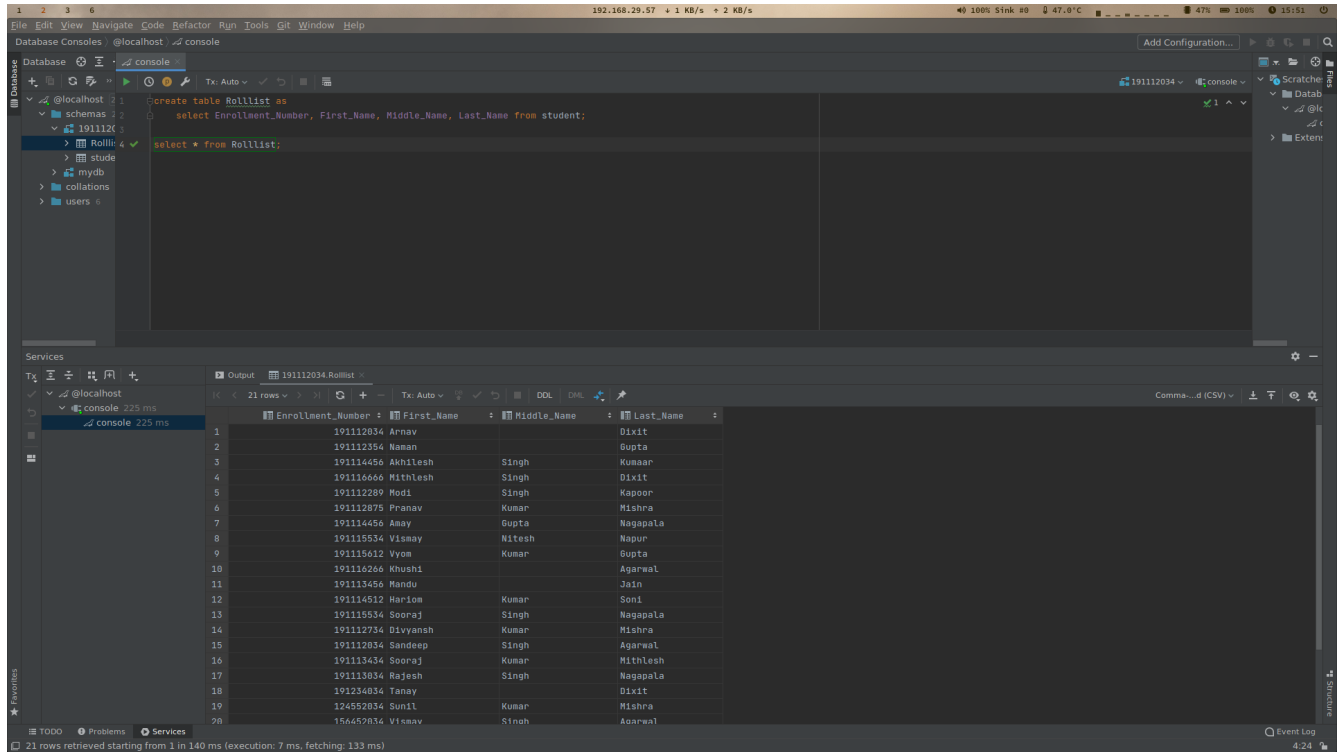


Figure 2: Create Table from Existing Table

3. Create Table with WHERE clause

Create one table as 'CSE' with reference of student class having record of all student of CSE branch as

Field	Data Type	Size
Enrollment_Number	int	20
First_name	varchar	20
Middle_name	varchar	20
Last_name	varchar	20

3.1. Source Code

```
create table CSE as
select Enrollment_Number, First_Name, Middle_Name, Last_Name from student
where Branch = 'CSE';

select * from CSE;
```

3.2. Output

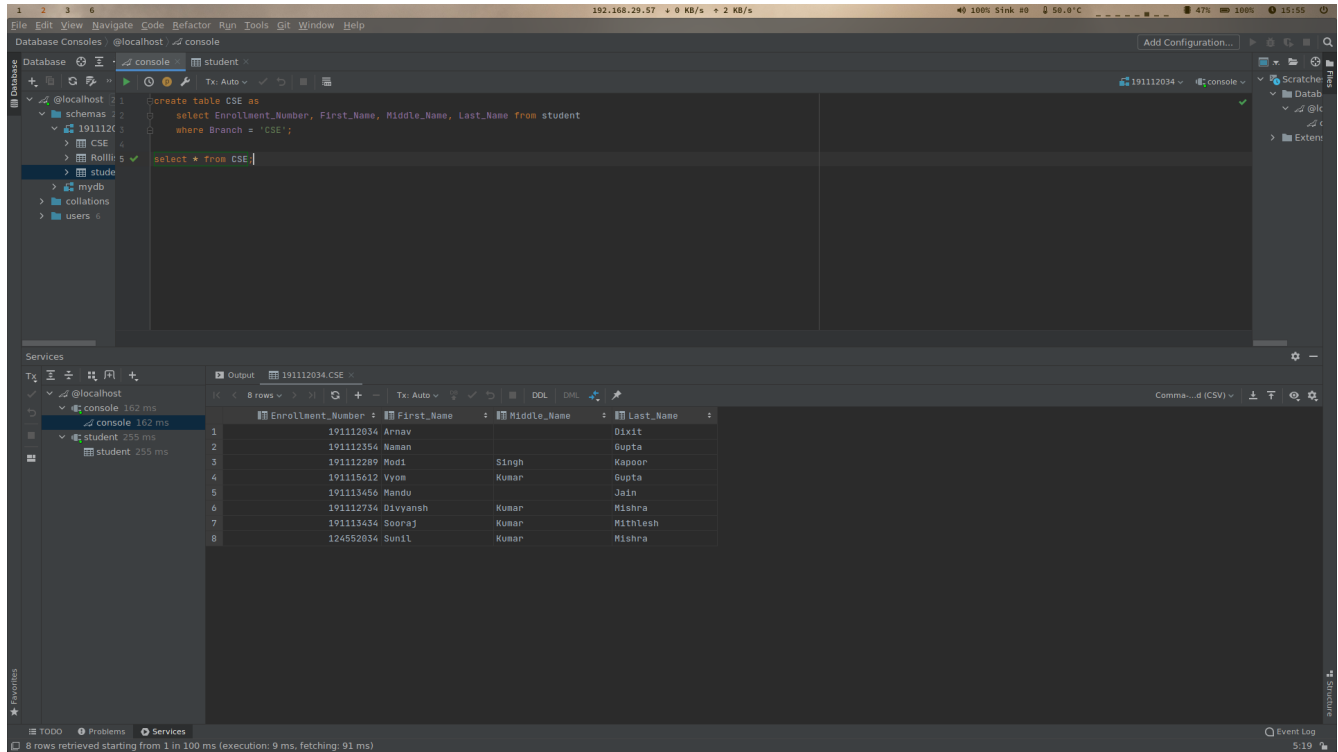


Figure 3: Create Table with WHERE clause

4. Alter Table

Alter table 'CSE' to:

- To add email-id as attributes
- To modify email-id datatype
- Drop the attribute email-id

4.1. Source Code

```

alter table CSE
add email_id varchar(20);

alter table CSE
modify column email_id varchar(40);

alter table CSE
drop column email_id;

```

4.2. Output

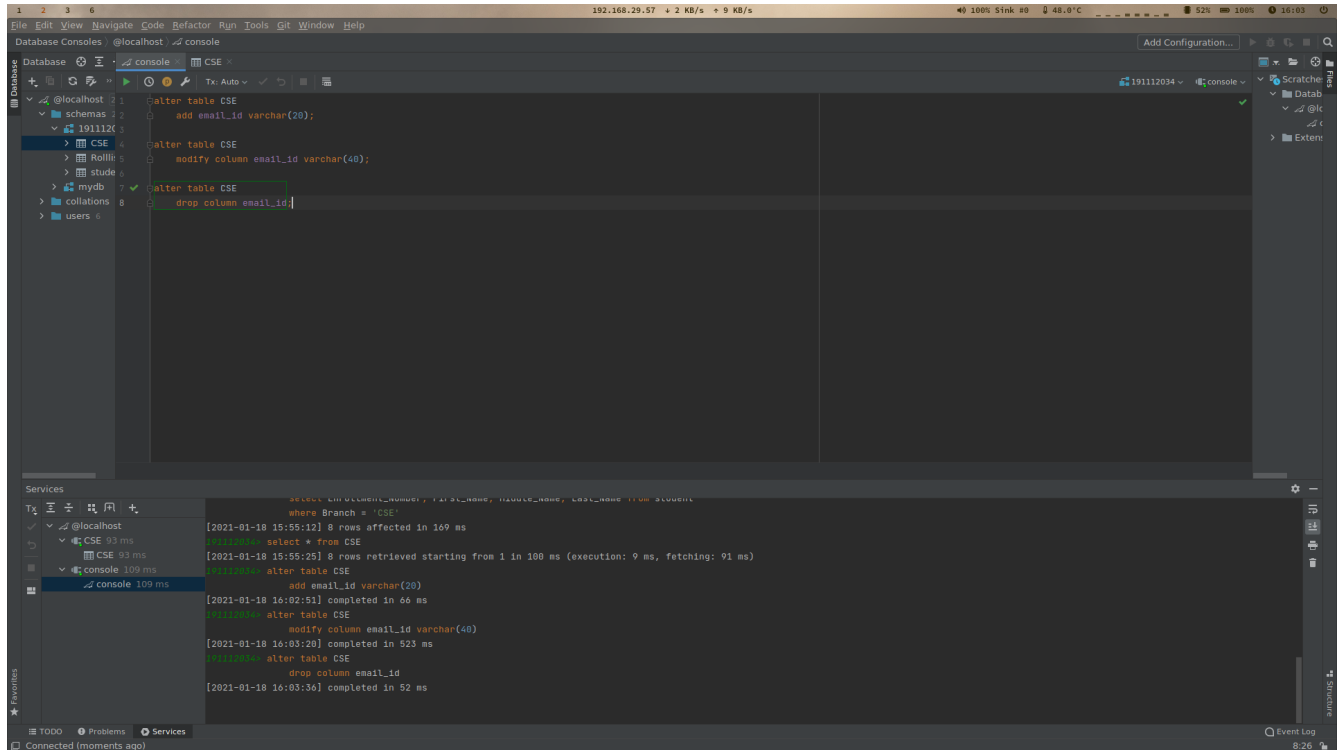


Figure 4: Alter Table

5. Delete Records

Delete all the record of table 'CSE'

5.1. Source Code

```
truncate table CSE;
```

```
select * from CSE;
```

5.2. Output

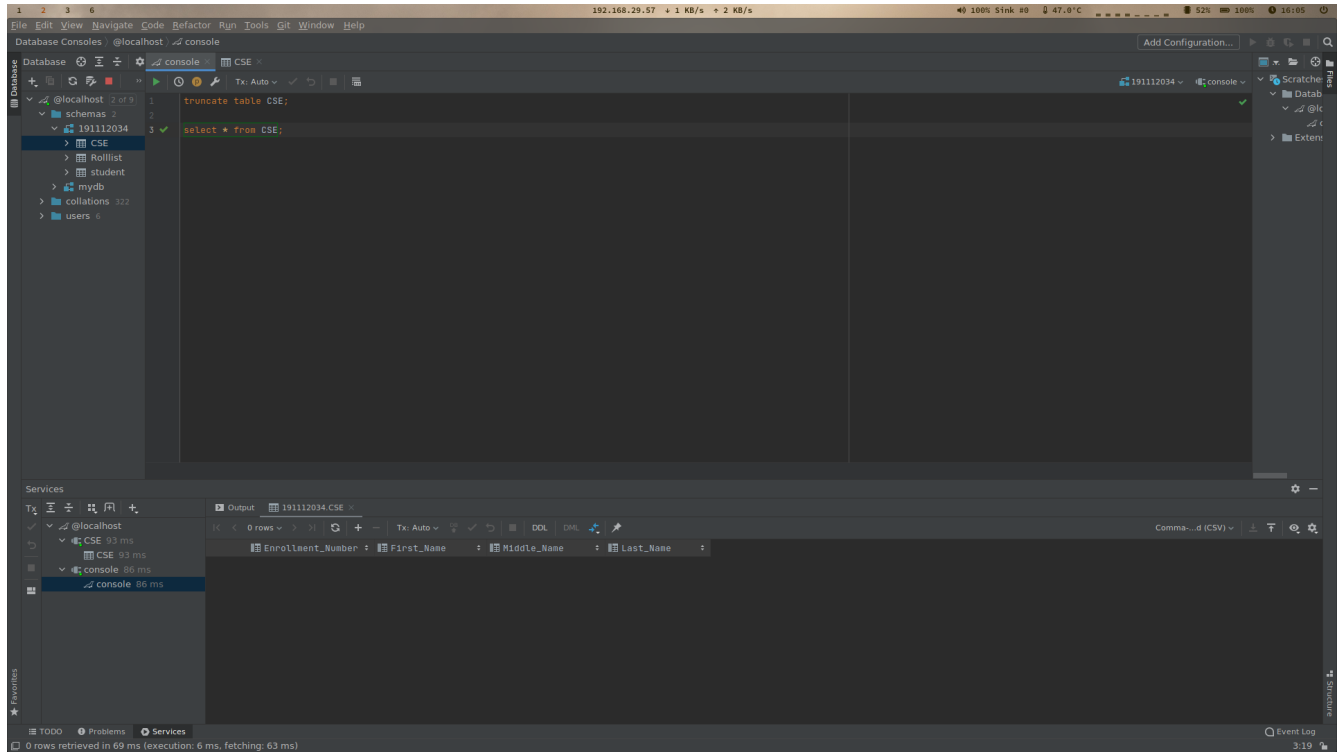


Figure 5: Delete Records

6. Delete Table

Delete the structure of whole table 'CSE'

6.1. Source Code

```
drop table CSE;
```

6.2. Output

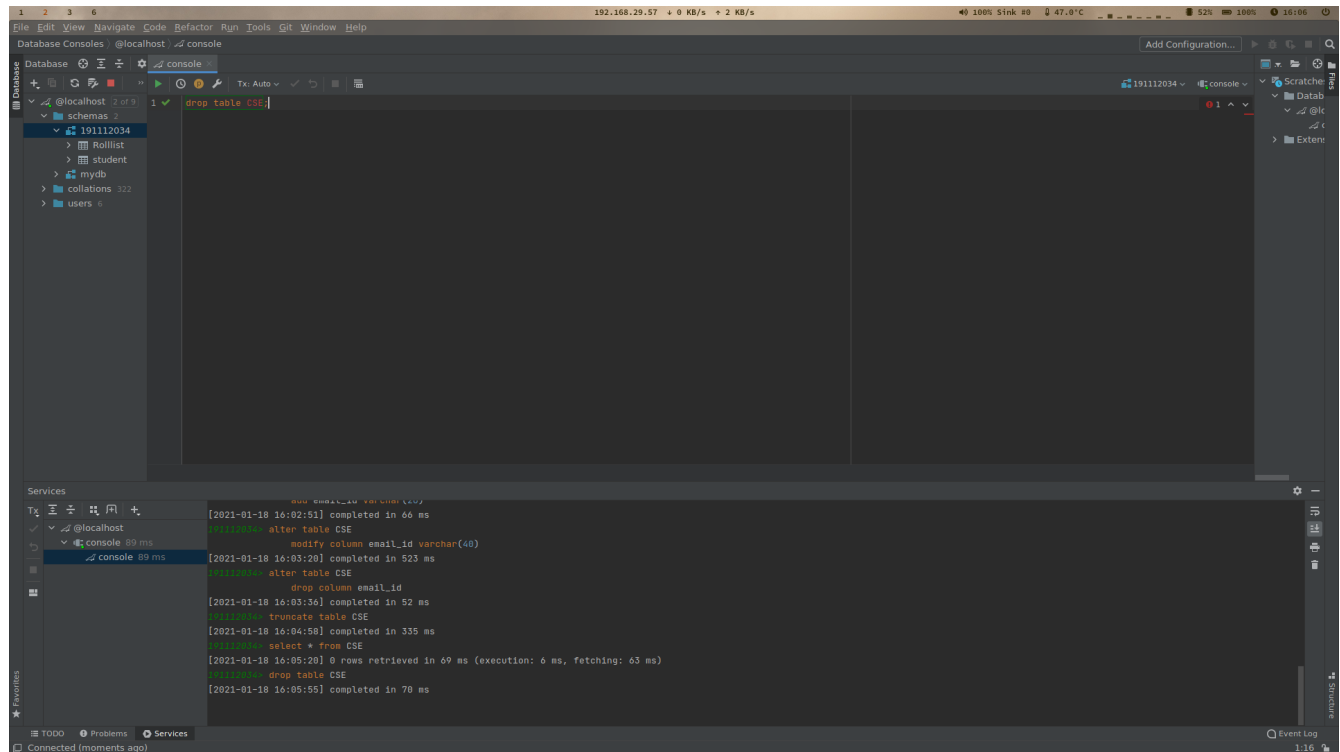


Figure 6: Delete Table