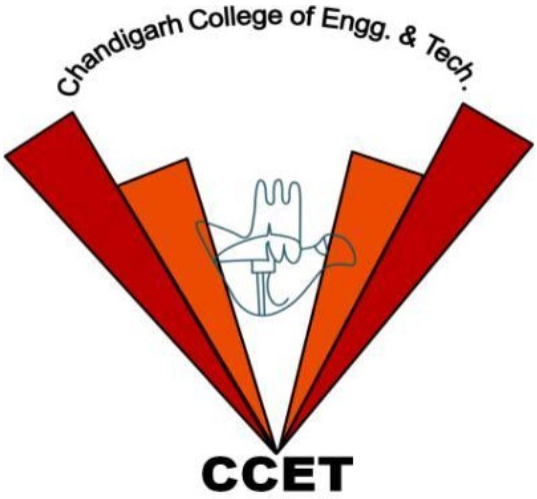
CHANDIGARH COLLEGE OF ENGINEERING AND TECHNOLOGY

(DEGREE WING)

Government Institute under Chandigarh (UT) Administration, Affiliated to Panjab University, Chandigarh

Sector-26, Chandigarh. PIN-160019



DBMS

PRACTICAL FILE

Submitted By :

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CO20328

Submitted to :

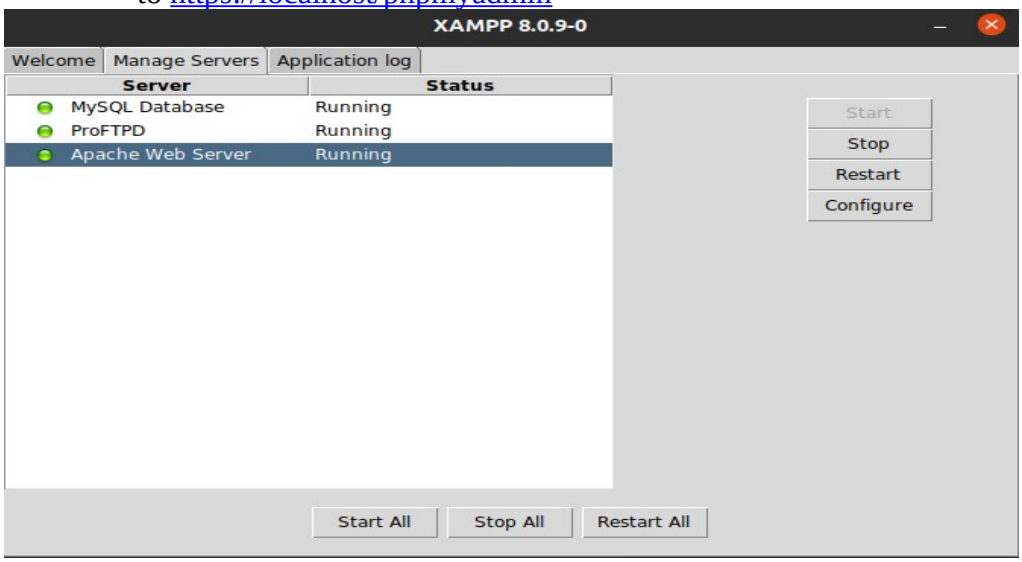
Dr.Dheerendra Singh

CSE Department

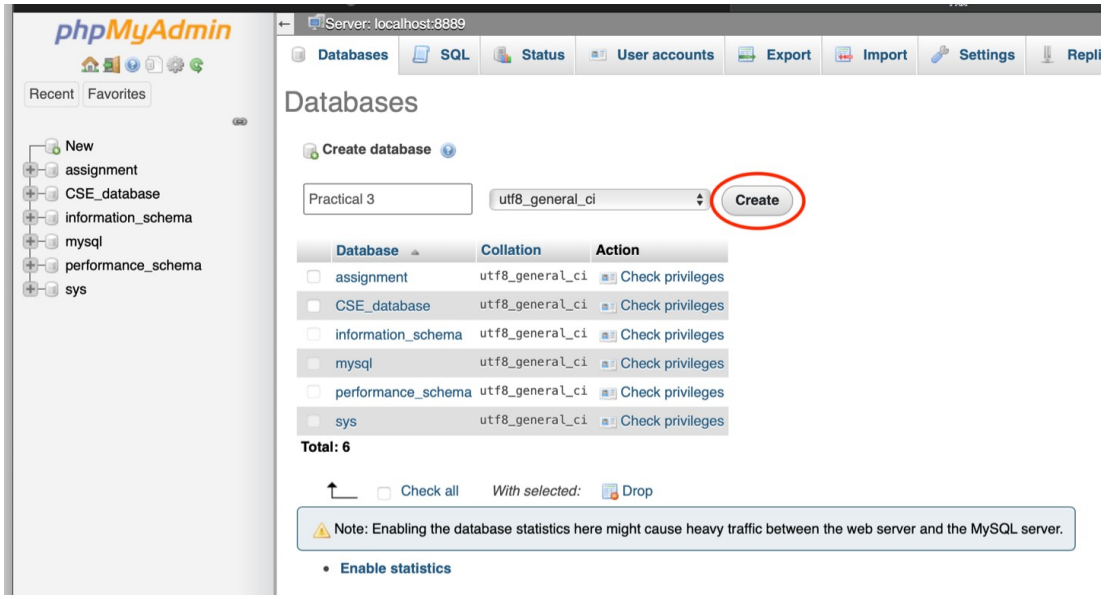
PRACTICAL-3

AIM : Data Types, Creating Tables, Creating Database, Retrieval of Rows using Select statement, Conditional retrieval of Rows.

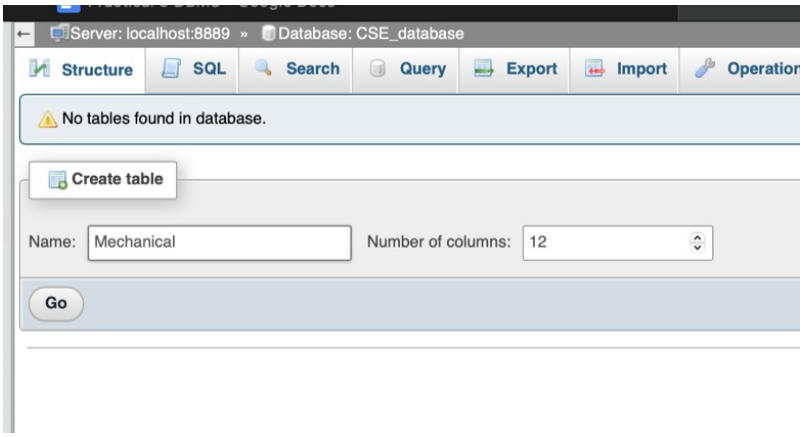
Step 1 : Launch the xampp control panel and start apache web server and mysql database.and then go to https://localhost/phpmyadmin



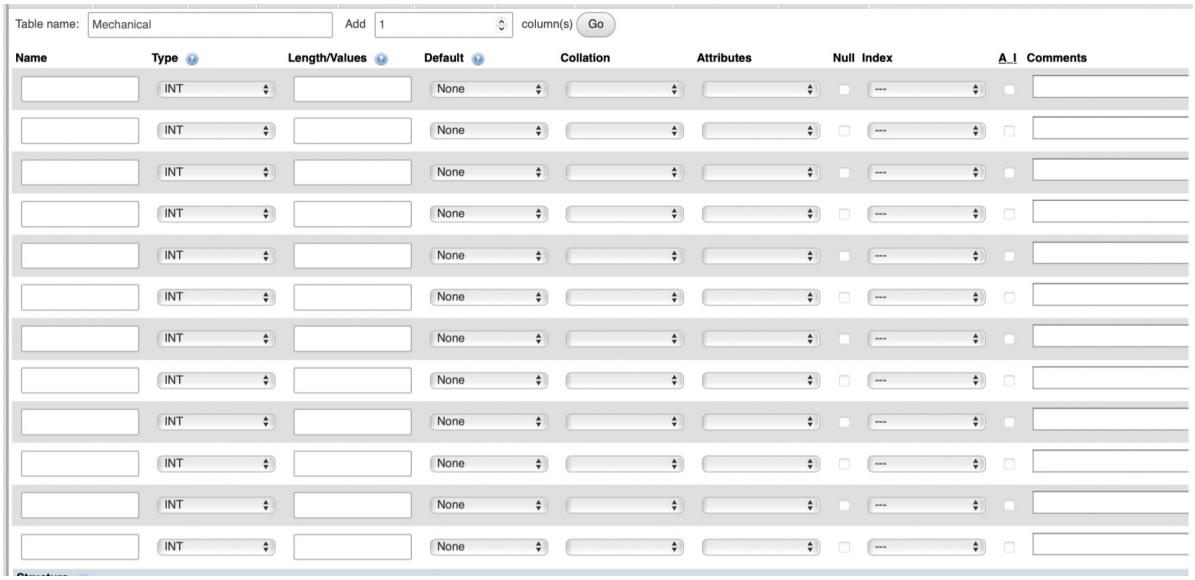
Step 2 : Then Click on the New button and it will create a new database. Enter the desired name for the database and then click on the create button to create the database.



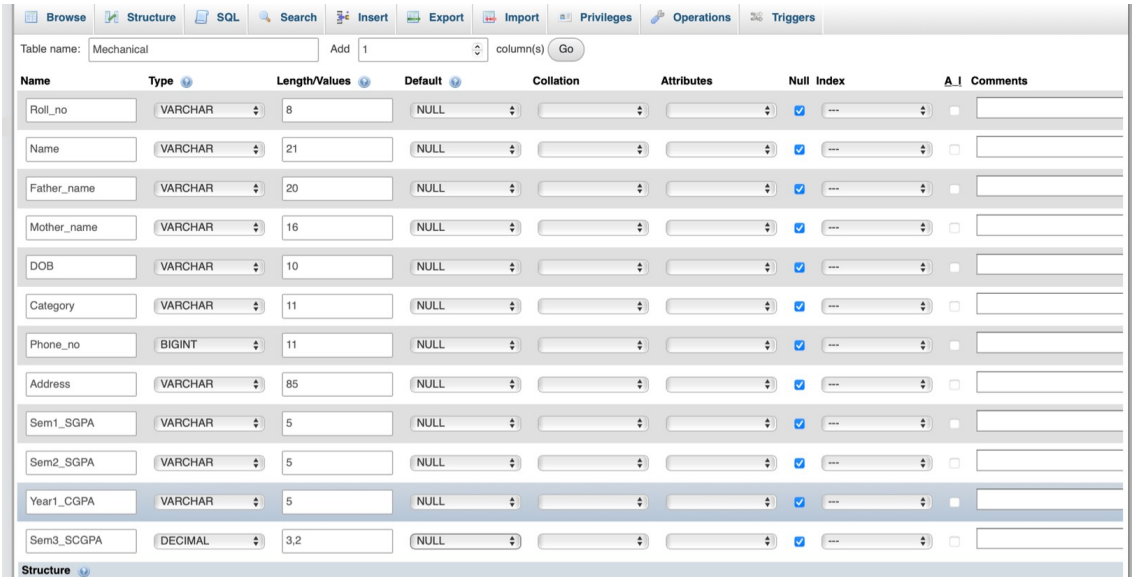
Step 3 : Then in the database it will show the option to CREATE TABLE. Click on the create table button and then enter the Desired name of the table and the number columns required.



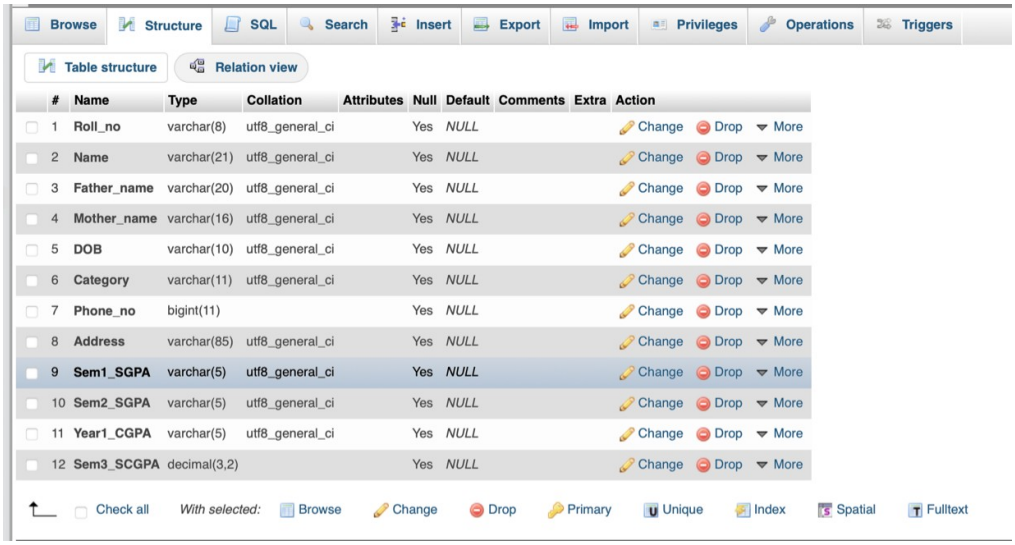
Step 4 : Now it will show you a list of columns and fill in the required fields as per your requirements. Enter the default values as NULL.



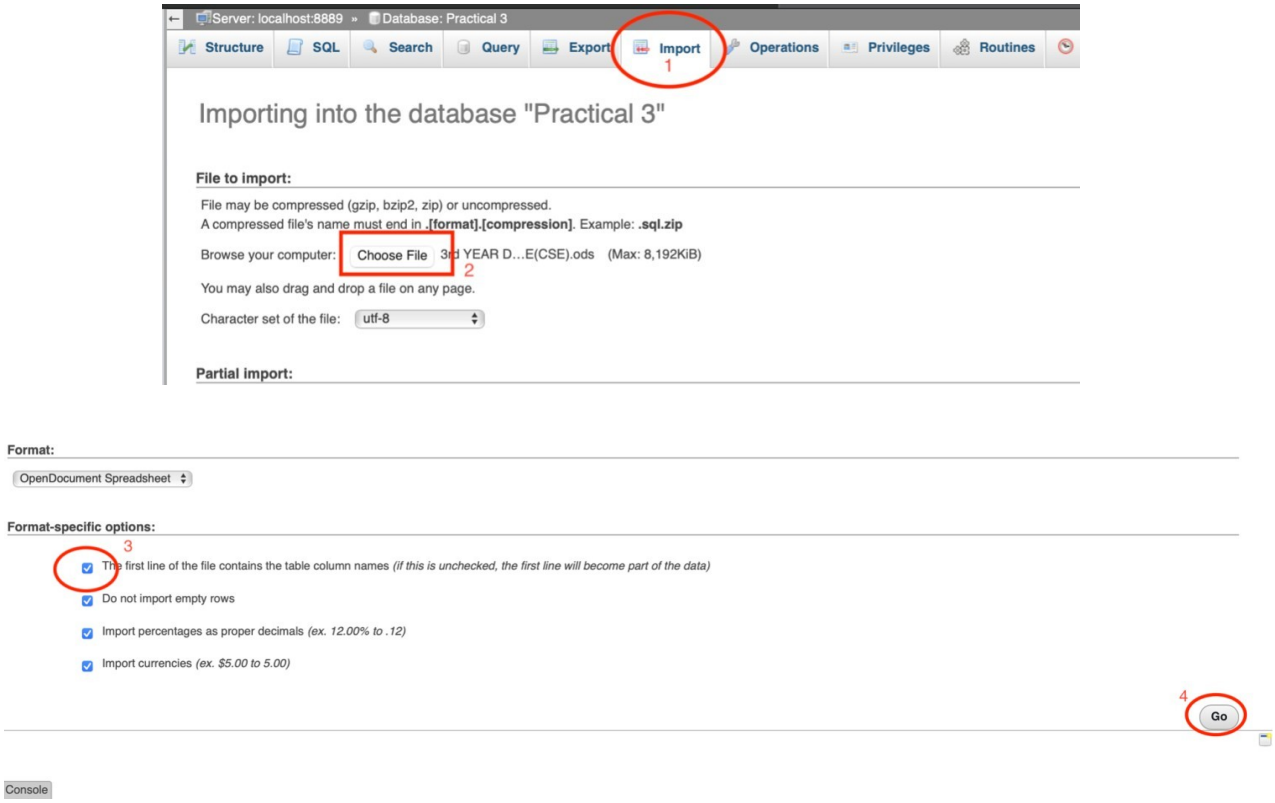
After being filled. It will Look like this



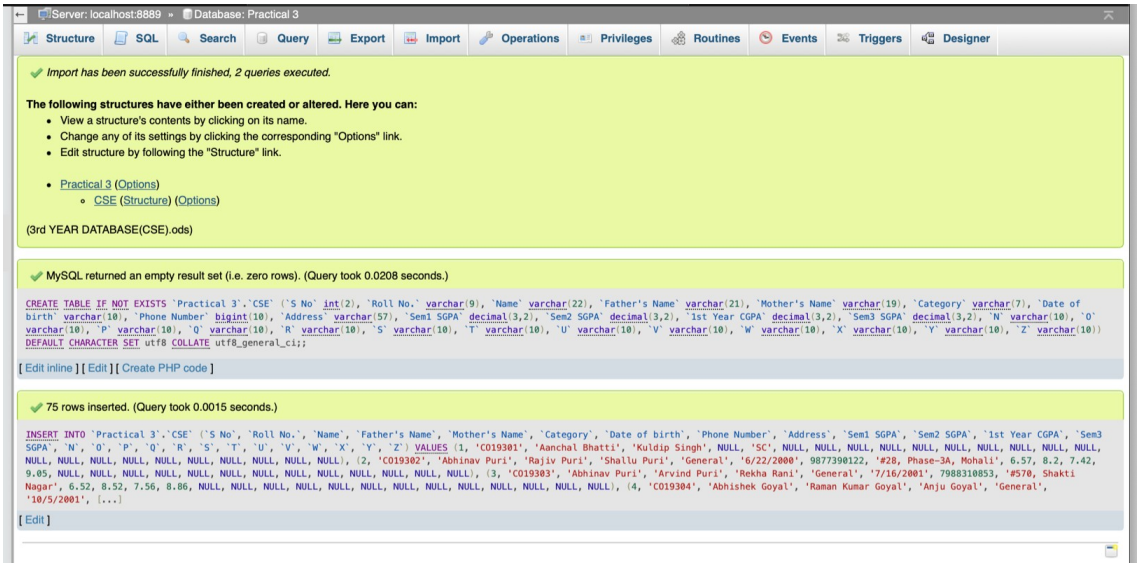
After filling in the information click on Save button at the bottom. It will Show you the Structure of the Table.

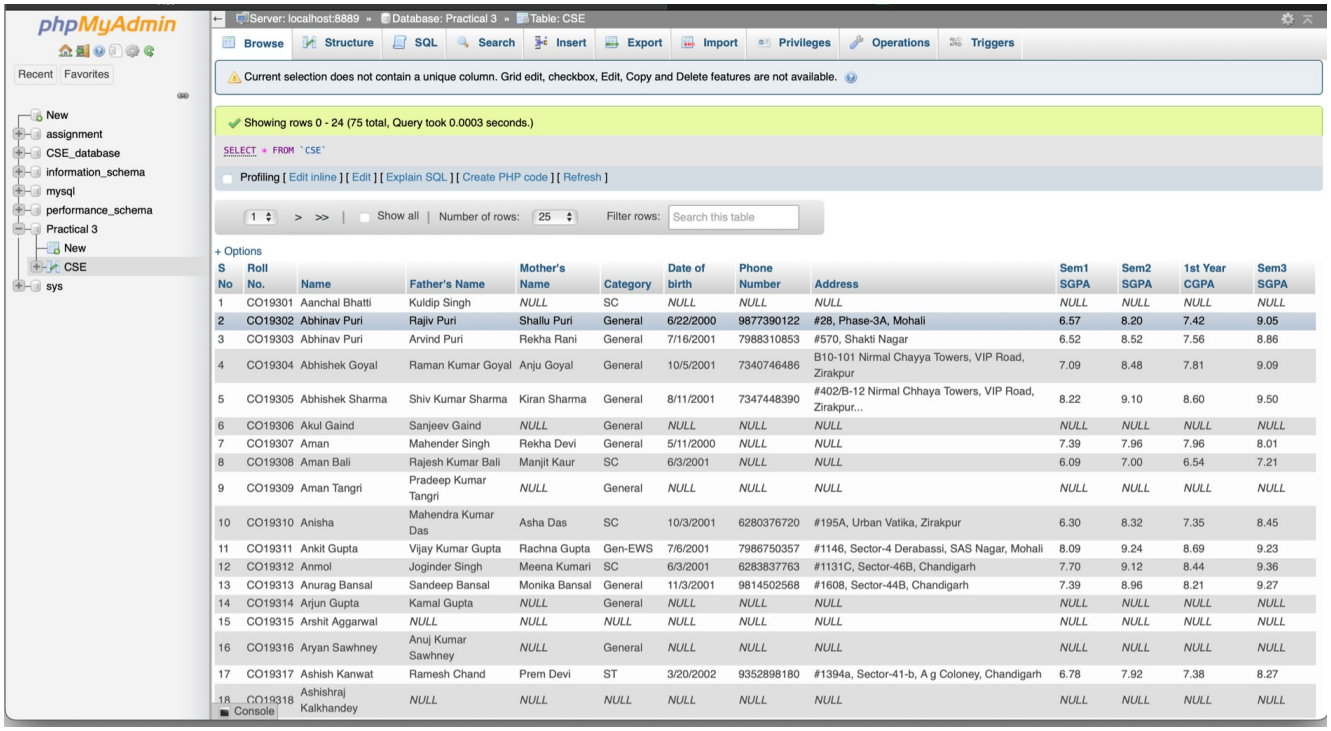


Step 5 : After that Click on the Import button on the top menu bar. It will take you to the Import page. There it will ask you to choose a file. Now Import your Excel file which should be saved in .ods (Open Document Spreadsheet) format. Choose the .ods file and check the box which says that the first line contains the Table Column Names. The rest of the boxes are already ticked by default and leave them checked. After that click on Go Button which will import the file.



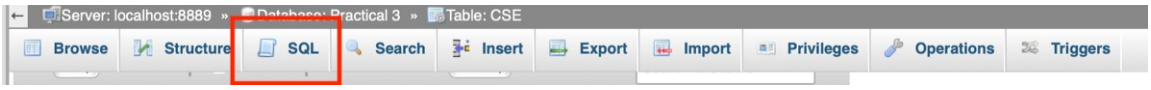
Step 6 : It will take you to the page showing successful Import. Then you can check if the table has been imported correctly by clicking on the name of the table on the LEFT Menu bar. It will take you to the Page and show you the Table. If you want to make any changes to the table structure, you can click on the Structure Button on the Top Menu.





S No	Roll No.	Name	Father's Name	Mother's Name	Category	Date of birth	Phone Number	Address	Sem1 SGPA	Sem2 SGPA	1st Year CGPA	Sem3 SGPA
1	CO19301	Aanchal Bhatti	Kuldip Singh	NULL	SC	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2	CO19302	Abhinav Puri	Rajiv Puri	Shallu Puri	General	6/22/2000	9877390122	#28, Phase-3A, Mohali	6.57	8.20	7.42	9.05
3	CO19303	Abhinav Puri	Arvind Puri	Rekha Rani	General	7/16/2001	7988310853	#570, Shakti Nagar	6.52	8.52	7.56	8.86
4	CO19304	Abhishek Goyal	Raman Kumar Goyal	Anju Goyal	General	10/5/2001	7340746486	B10-101 Nirmal Chayya Towers, VIP Road, Zirakpur	7.09	8.48	7.81	9.09
5	CO19305	Abhishek Sharma	Shiv Kumar Sharma	Kiran Sharma	General	8/11/2001	7347448390	#402/B-12 Nirmal Chhaya Towers, VIP Road, Zirakpur...	8.22	9.10	8.60	9.50
6	CO19306	Akul Gaind	Sanjeev Gaind	NULL	General	NULL	NULL	NULL	NULL	NULL	NULL	NULL
7	CO19307	Aman	Mahender Singh	Rekha Devi	General	5/11/2000	NULL	NULL	7.39	7.96	7.96	8.01
8	CO19308	Aman Bali	Rajesh Kumar Bali	Manjit Kaur	SC	6/3/2001	NULL	NULL	6.09	7.00	6.54	7.21
9	CO19309	Aman Tangri	Pradeep Kumar Tangri	NULL	General	NULL	NULL	NULL	NULL	NULL	NULL	NULL
10	CO19310	Anisha	Mahendra Kumar Das	Asha Das	SC	10/3/2001	6280376720	#195A, Urban Vatika, Zirakpur	6.30	8.32	7.35	8.45
11	CO19311	Ankit Gupta	Vijay Kumar Gupta	Rachna Gupta	Gen-EWS	7/6/2001	7986750357	#1146, Sector-4 Derabassi, SAS Nagar, Mohali	8.09	9.24	8.69	9.23
12	CO19312	Anmol	Joginder Singh	Meena Kumari	SC	6/3/2001	6283837763	#1131C, Sector-46B, Chandigarh	7.70	9.12	8.44	9.36
13	CO19313	Anurag Bansal	Sandeep Bansal	Monika Bansal	General	11/3/2001	9814502568	#1608, Sector-44B, Chandigarh	7.39	8.96	8.21	9.27
14	CO19314	Arjun Gupta	Kamal Gupta	NULL	General	NULL	NULL	NULL	NULL	NULL	NULL	NULL
15	CO19315	Arshit Aggarwal	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
16	CO19316	Aryan Sawhney	Anuj Kumar Sawhney	NULL	General	NULL	NULL	NULL	NULL	NULL	NULL	NULL
17	CO19317	Ashish Kanwat	Ramesh Chand	Prem Devi	ST	3/20/2002	9352898180	#1394a, Sector-41-b, A g Coloney, Chandigarh	6.78	7.92	7.38	8.27
18	CO19318	Ashishraj Kalkhandey	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

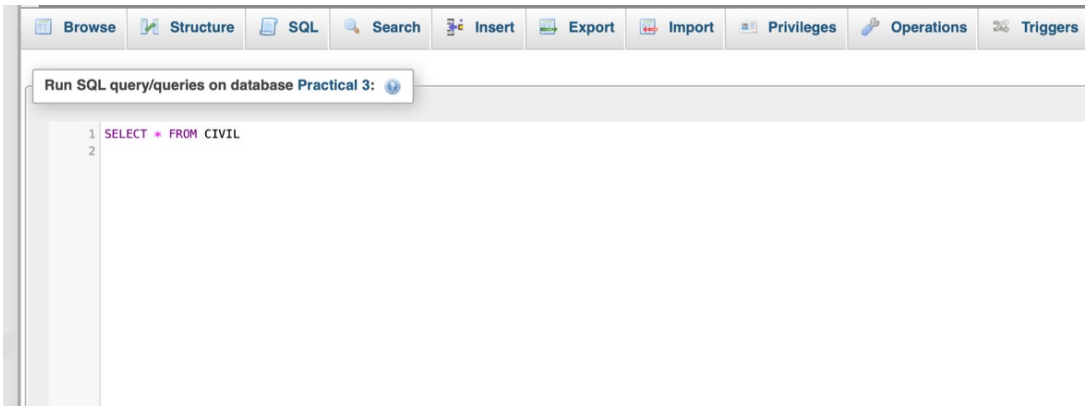
Step 7 : You can add more tables to the database by repeating steps 3 to 6 again. After all the required tables have been imported. You can perform queries on the tables by clicking on the SQL button on the top menu bar.



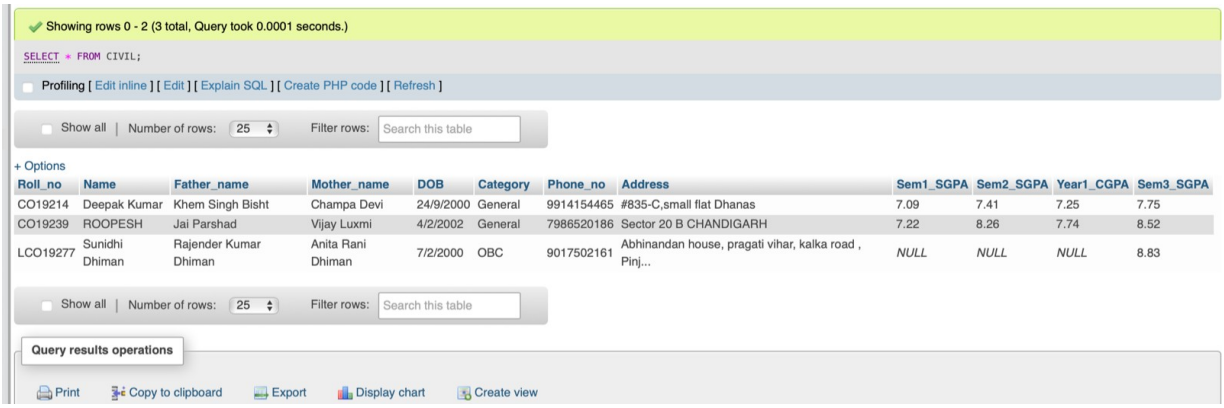
Step 8 : Now to perform queries on the tables you can type in the SQL queries in the box that shows up and after you are done writing the query, click on the GO button on the bottom right to perform the written query. It will show you the rows and columns resulting from the query.

- Now we will perform some queries and see their results.
- The queries are being performed on the 3rd Year Database.

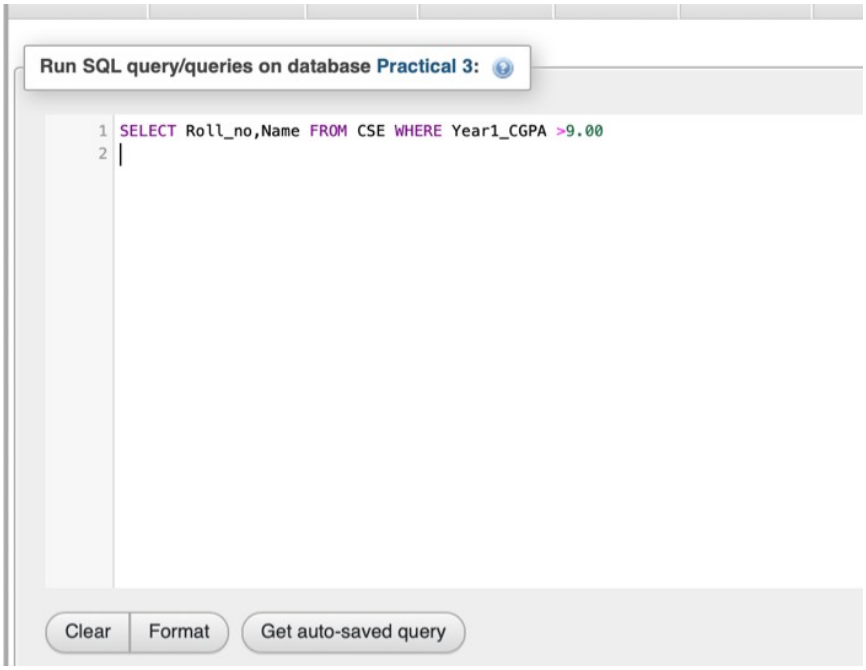
Query 1 : To Find all the information of all students in the CIVIL branch.

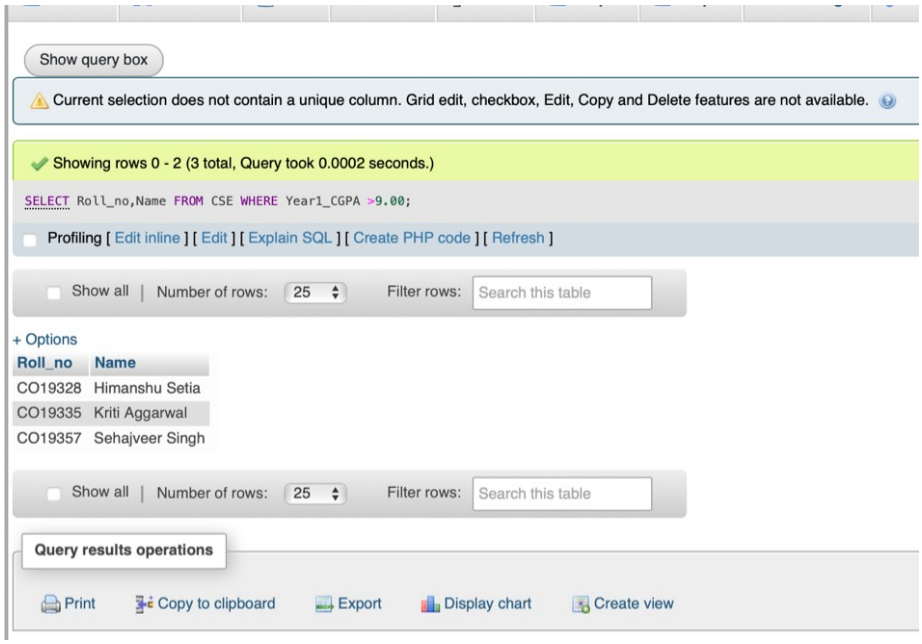


Result :



Query 2 : To find all Students in CSE branch that have CGPA of Year 1 greater than 9.00.





Query 3 : To find Roll Number and Name of Students who have Year 1 CGPA greater than 7.00 but less than 9.00