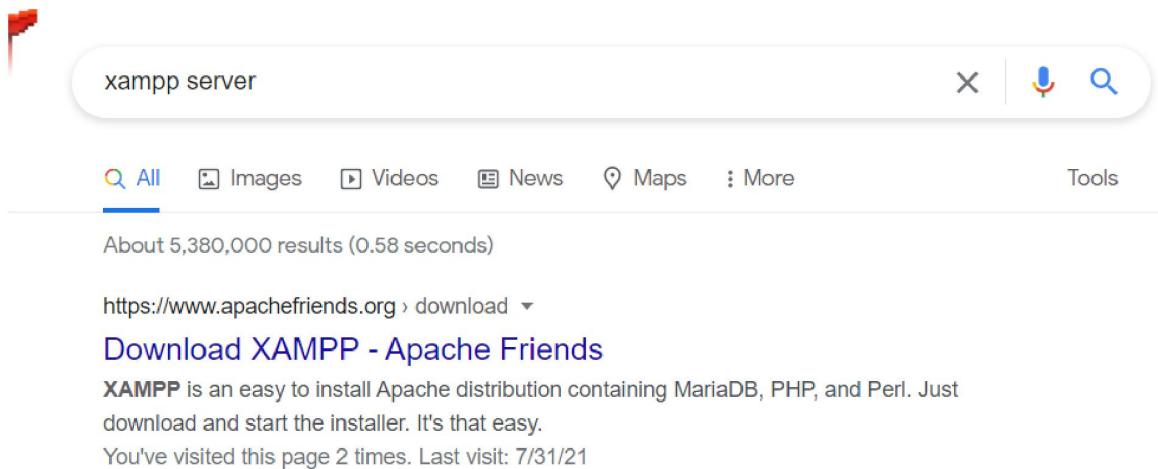


XAMPP Server:

XAMPP is a free and open-source cross-platform web server solution stack package developed by Apache Friends, consisting of the Apache HTTP Server, MariaDB database, and interpreters for scripts written in the PHP and Perl programming languages. Since most actual web server deployments use the same components as XAMPP, it makes transitioning from a local test server to a live server possible.

XAMPP Server Installation process:

First, in browser, ‘Xampp server’ is searched and the topmost link is selected to go to the official download website of Xampp.



Then, in the new page, there are software for your respective Operating systems with many versions of it.

In my case, I am using Windows Operating System so I downloaded the latest version available for Windows.

Download

XAMPP is an easy to install Apache distribution containing MariaDB, PHP, and Perl. Just download and start the installer. It's that easy.

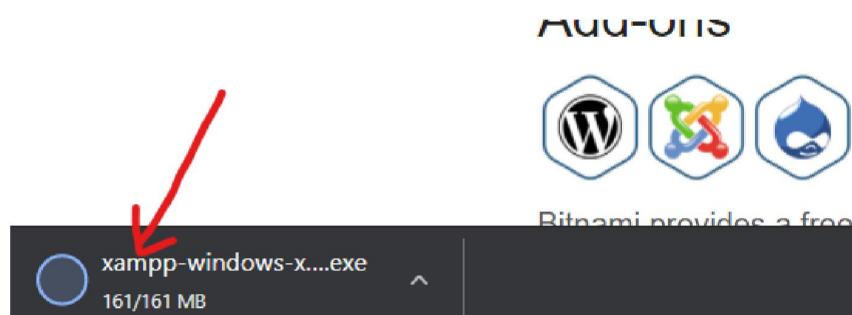
XAMPP for Windows 7.3.29, 7.4.22 & 8.0.9

Version	Checksum	Size
7.3.29 / PHP 7.3.29	What's Included? md5 sha1	Download (64 bit) 158 Mb
7.4.22 / PHP 7.4.22	What's Included? md5 sha1	Download (64 bit) 159 Mb
8.0.9 / PHP 8.0.9	What's Included? md5 sha1	Download (64 bit) 160 Mb

Requirements Add-ons More Downloads »

Windows XP or 2003 are not supported. You can download a compatible version of XAMPP for these

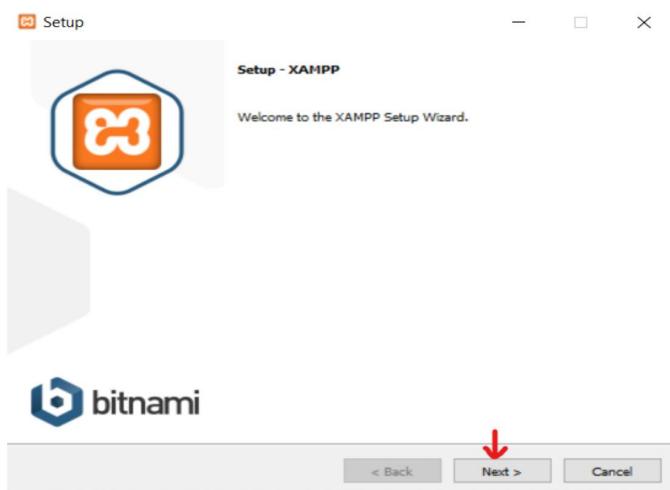
The exe file is being downloaded and is opened once the download completes.



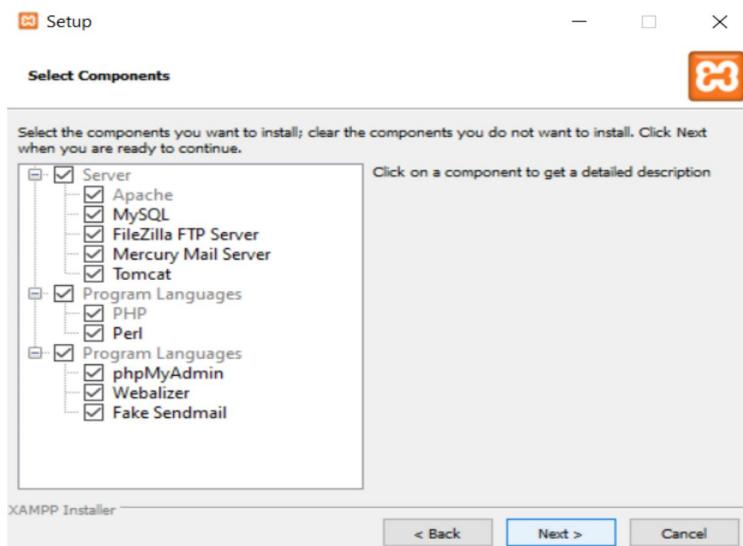
Click ‘Yes.’



Now, to begin the setup, click ‘Next.’



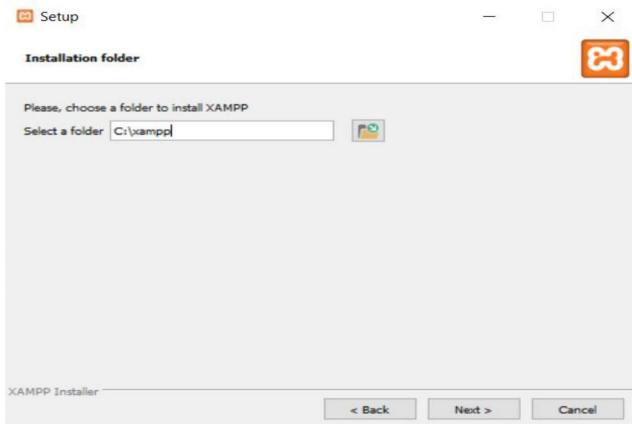
Again, click ‘Next.’



The folder where the app is to be installed is selected.

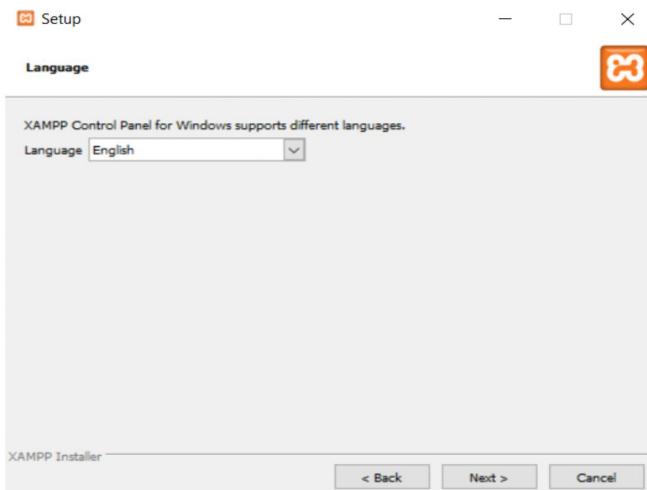
In my case, it is default and not changed.

Click on ‘Next.’

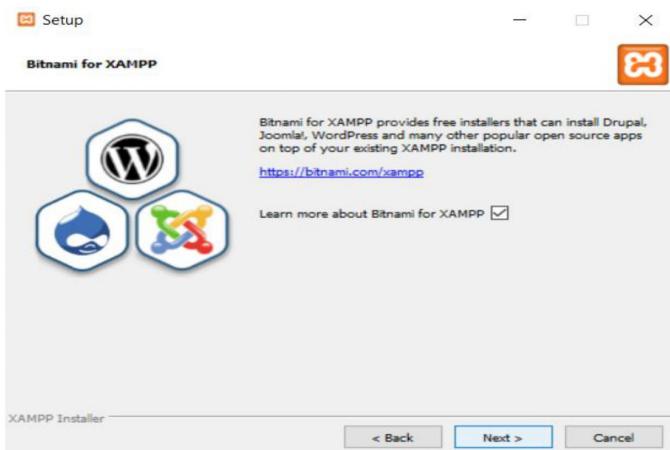


The language preferred is selected and click ‘Next.’

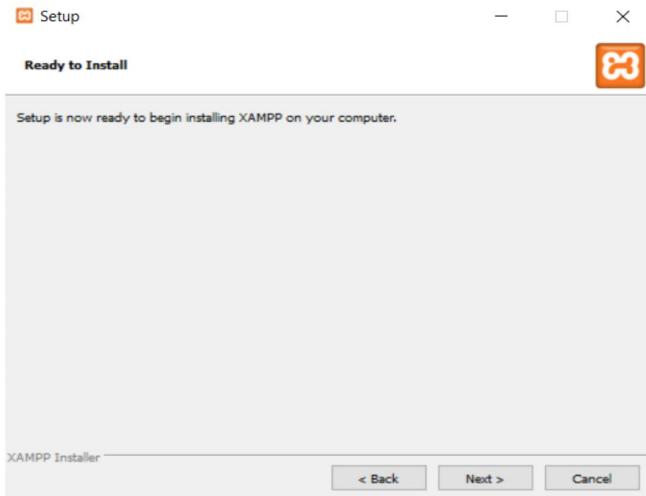
In my case, it is set to default, i.e., English.



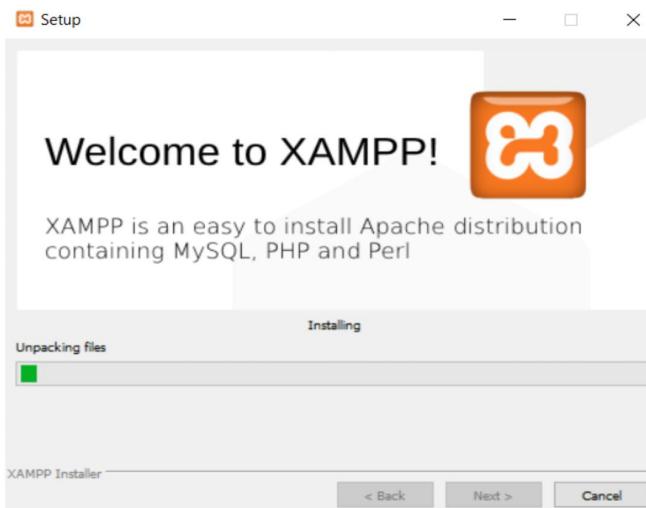
Click ‘Next’ again.



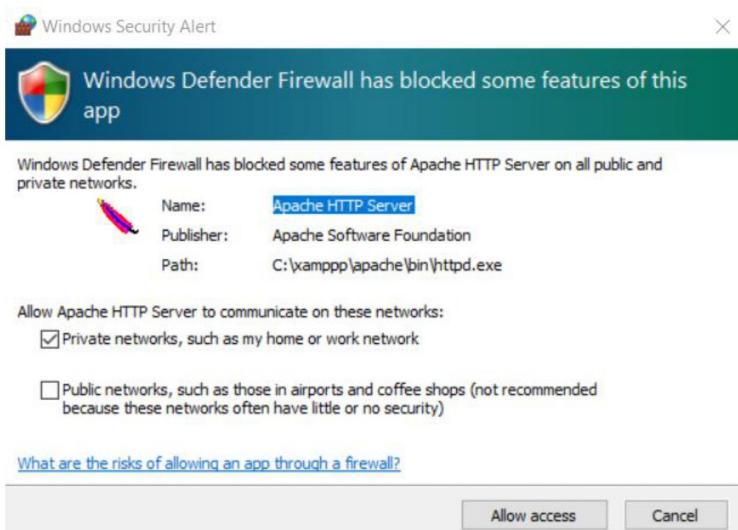
Now, it is ready to install, click 'Next.'



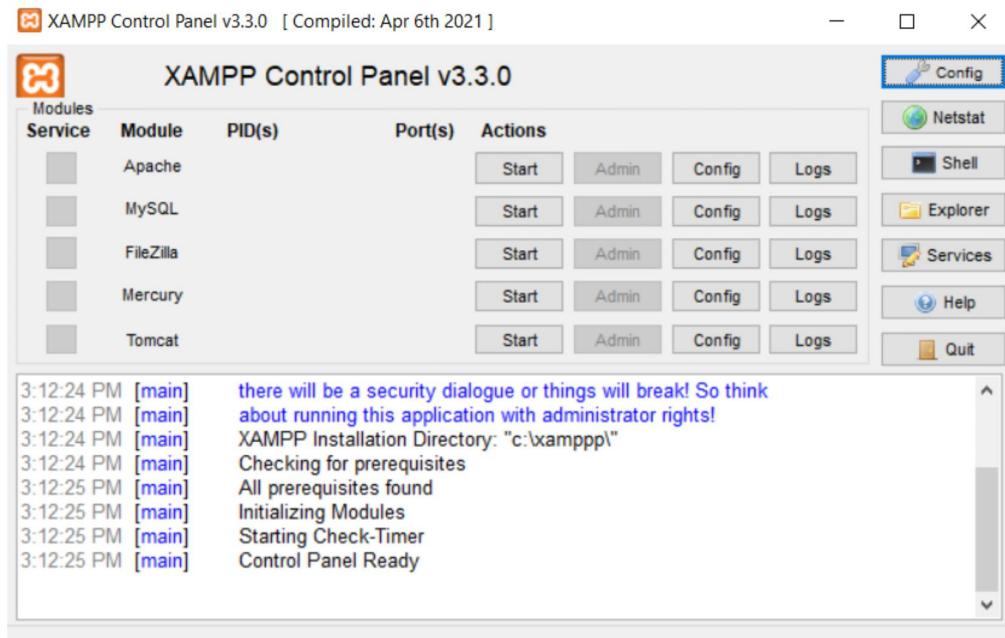
The files are now being installed. Let the installation bar complete.



Allow access to the application as Firewall blocks it.

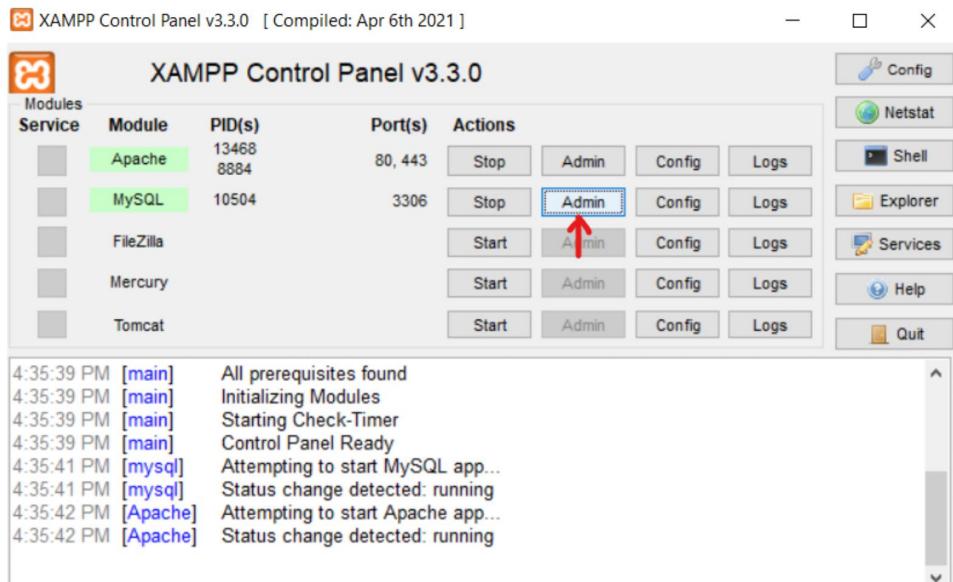


After installation, the following control panel is seen where you can start MySQL and Apache modules to create database and configure them.



Creating a Database, storing and editing values:

Now, after starting both the module, following change in control panel is seen, where you can click on Admin on MySQL to create or modify the database.



After that, following server webpage is seen, where there are options for creating tables, databases, writing query, exporting and importing queries, etc.

Click on ‘Databases’. Type a name for your database and click ‘Create’. *Here I am naming my database as ‘Prime’.*

Database	Collation	Action
information_schema	utf8_general_ci	Check privileges
mysql	utf8mb4_general_ci	Check privileges
performance_schema	utf8_general_ci	Check privileges

Now your database has been created.

Then, to create a table, name your table, and specify the number of columns you want. You can edit the table later too.

For now, I have created a table named ‘First_Semester’ with seven columns to store students’ data in specific columns.

Click on ‘Go’.

The screenshot shows the MySQL Workbench interface with the title bar 'Server: 127.0.0.1 » Database: prime'. Below the title bar are tabs: Structure, SQL, Search, Query, Export, Import, and Operations. A message box at the top says 'No tables found in database.' The main area is titled 'Create table' and contains fields for 'Name:' (set to 'First_Semester') and 'Number of columns:' (set to '7'). A 'Go' button is at the bottom.

After the table has been created, next page prompts where you can name your columns.

I have created seven columns named 'ID', 'FirstName', 'LastName', 'Age', 'Gender', 'Mobile' and 'Address'.

Similarly, types of each column must be specified with their length as shown in figure below. They can be 'int' – integer, 'varchar' – variable character, etc.

Name	Type	Length/Values	Default	Collation
ID	INT	11	None	
FirstName	VARCHAR	30	None	utf8mb4_general_
LastName	VARCHAR	30	None	utf8mb4_general_
Age	INT	11	None	
Gender	CHAR	1	None	utf8mb4_general_
Mobile	VARCHAR	10	None	utf8mb4_general_
Address	VARCHAR	30	None	utf8mb4_general_

The 'ID' column is set to primary key for having a unique value.

Name	Type	Length/Values	Default	Collation	Attributes	Null	Index	A
ID	INT		None				PRIMARY	

Now, click 'Go'.

The following table is seen. Select ‘Insert’ tab, where you can now add data in the database.

A screenshot of the MySQL Workbench interface. The top navigation bar has several tabs: 'Browse', 'Structure', 'SQL', 'Search', 'Insert' (which is highlighted with a red arrow), 'Export', 'Import', 'Privileges', and 'Operations'. Below the tabs is a table structure view for a table with 7 columns: ID, FirstName, LastName, Age, Gender, Mobile, and Address. Each column has its type, collation, attributes, and action buttons ('Change', 'Drop', 'More'). At the bottom of the table view are buttons for 'Check all', 'With selected:', 'Browse', 'Change', 'Drop', 'Primary', 'Unique', 'Index', and a 'Remove from central columns' link.

Now you can add the students' data respectively.

Here is a sample of first student's data of my database.

Column	Type	Function	Null	Value
ID	int(11)		✓	1
FirstName	varchar(30)		✓	Abhishek
Lastname	varchar(30)		✓	Karki
Age	int(11)		✓	17
Gender	char(1)		✓	M
Mobile	varchar(10)		✓	9843750555
Address	varchar(30)		✓	abhishekkarki470@gmail.com

Similarly, all the data can be entered of 24 students by adding more rows in the columns and click ‘Go’ at last.

The following table is displayed showing all the students' data. But there are a few mistakes in gender to be edited.

	<input type="checkbox"/>	Edit	Copy	Delete	ID	FirstName	Lastname	Age	Gender	Mobile	Address
	<input type="checkbox"/>	Edit	Copy	Delete	1	Abhishek	Karki	17	M	9843750555	abhishekkarki470@gmail.com
	<input type="checkbox"/>	Edit	Copy	Delete	2	Amish	Bajracharya	18	F	9843931581	amishbajracharya63@gmail.com
	<input type="checkbox"/>	Edit	Copy	Delete	3	Aryan	Khadgi	18	F	9861798320	aryankhadgee@gmail.com
	<input type="checkbox"/>	Edit	Copy	Delete	4	Ashmita	Tamang	18	M	9814981498	ashmitatmg65@gmail.com
	<input type="checkbox"/>	Edit	Copy	Delete	5	Bharat	Raj Kharel	18	M	9862862242	khareldikesh172@gmail.com
	<input type="checkbox"/>	Edit	Copy	Delete	6	Bikesh	Maharajan	18	M	9865555733	bikesh@gmail.com
	<input type="checkbox"/>	Edit	Copy	Delete	7	Binita	Upadhaya	18	F	9863410775	binita@gmail.com
	<input type="checkbox"/>	Edit	Copy	Delete	8	Dikshya	Pokhrel	18	F	9840317945	pokhareldikshya7@gmail.com
	<input type="checkbox"/>	Edit	Copy	Delete	9	Kripesh	Neupane	18	M	9861490386	kripeshneupane10@gmail.com
	<input type="checkbox"/>	Edit	Copy	Delete	10	Manish	Timilsina	18	M	9840590906	manish@gmail.com
	<input type="checkbox"/>	Edit	Copy	Delete	11	Niharika	Sharma	18	F	9818928883	niharika@gmail.com
	<input type="checkbox"/>	Edit	Copy	Delete	12	Niva	Maharjan	18	F	9818569991	nivv2059@gmail.com
	<input type="checkbox"/>	Edit	Copy	Delete	13	Poem	Maharjan	18	M	9861539144	poemmahrajan4290@gmail.com
	<input type="checkbox"/>	Edit	Copy	Delete	14	Pradyumna	Rajbhandari	18	M	9808270609	pradyumna@gmail.com
	<input type="checkbox"/>	Edit	Copy	Delete	15	Pragati	Shrestha	18	F	9823108992	pragati.shrestha07@gmail.com
	<input type="checkbox"/>	Edit	Copy	Delete	16	Pranab	K.C Pandey	17	M	9869724493	pranab@gmail.com
	<input type="checkbox"/>	Edit	Copy	Delete	17	Prashanna	Shrestha	18	F	9840034677	prashannashrestha711@gmail.com
	<input type="checkbox"/>	Edit	Copy	Delete	18	Samjhana	Lama	17	F	9849091492	samjhlanlama456@gmail.com
	<input type="checkbox"/>	Edit	Copy	Delete	19	Sandesh	Basnet	19	M	9843744896	sandeshbasnet773@gmail.com
	<input type="checkbox"/>	Edit	Copy	Delete	20	Shreyan	Amatya	18	M	9864049945	shreyanamatya11@gmail.com
	<input type="checkbox"/>	Edit	Copy	Delete	21	Subarna	Sapkota	19	M	9805148029	sumansapkota0099@gmail.com
	<input type="checkbox"/>	Edit	Copy	Delete	22	Supriya	Gupta	0	F	9808829064	gsupriya073@gmail.com
	<input type="checkbox"/>	Edit	Copy	Delete	23	Suraj	Pulami	18	M	9804816473	surajpulami8@gmail.com
	<input type="checkbox"/>	Edit	Copy	Delete	24	Suyash	Shrestha	19	M	9841309522	sthasuyash11@gmail.com

Check all With selected: Edit Copy Delete Export

So, click edit and edit the gender which is mistaken and click 'Go'.

Here is a sample of one data that I have edited.

Column	Type	Function	Null	Value
ID	int(11)			17
FirstName	varchar(30)			Prashanna
Lastname	varchar(30)			Shrestha
Age	int(11)			18
Gender	char(1)			M
Mobile	varchar(10)			9840034677
Address	varchar(30)			prashannashrestha711@gmail.com

Go

To delete the last five rows, check the last five rows and click 'Delete'.

<input checked="" type="checkbox"/>				ID	FirstName	Lastname	Age	Gender	Mobile	Email
<input checked="" type="checkbox"/>				20	Shreyan	Amatya	18	M	9864049945	shreyanamatya11@gmail.com
<input checked="" type="checkbox"/>				21	Subarna	Sapkota	19	M	9805148029	sumansapkota0099@gmail.com
<input checked="" type="checkbox"/>				22	Supriya	Gupta	0	F	9808829064	gsupriya073@gmail.com
<input checked="" type="checkbox"/>				23	Suraj	Pulami	18	M	9804816473	surajpulami8@gmail.com
<input checked="" type="checkbox"/>				24	Suyash	Shrestha	19	M	9841309522	sthusuyash11@gmail.com

Check all With selected: Edit Copy Delete Export

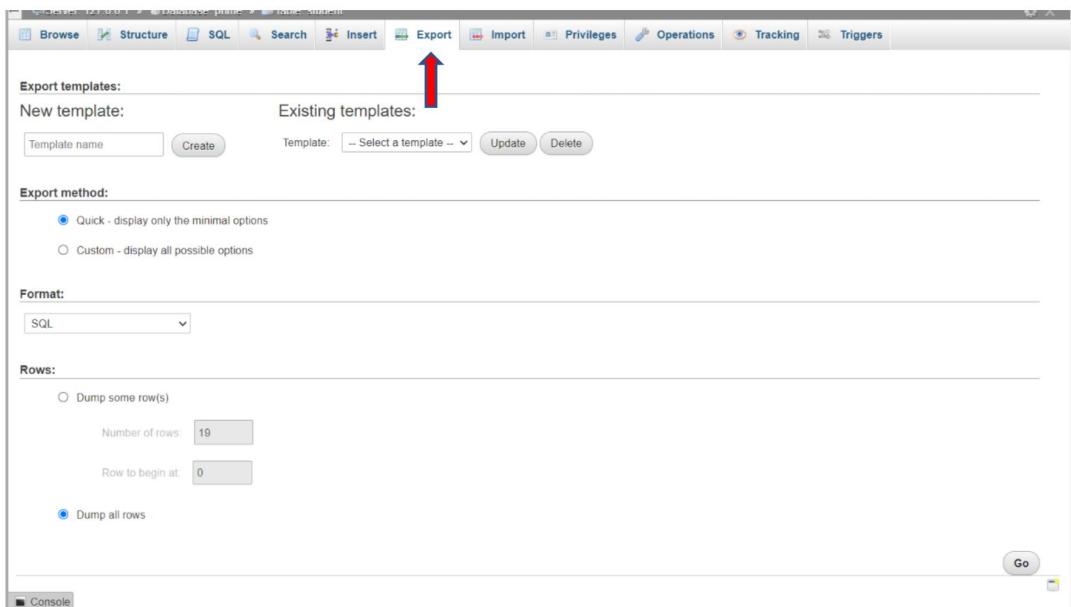
The rows have been deleted.

<input type="checkbox"/>				ID	FirstName	Lastname	Age	Gender	Mobile	Address
<input type="checkbox"/>				1	Abhishek	Karki	17	M	9843750555	abhishekarki470@gmail.com
<input type="checkbox"/>				2	Amish	Bajracharya	18	M	9843931581	amishbajracharya63@gmail.com
<input type="checkbox"/>				3	Aryan	Khadgi	18	M	9861798320	aryankhadgee@gmail.com
<input type="checkbox"/>				4	Ashmita	Tamang	18	F	9814981498	ashmitatmg65@gmail.com
<input type="checkbox"/>				5	Bharat	Raj Kharel	18	M	9862862242	khareldikesh172@gmail.com
<input type="checkbox"/>				6	Bikesh	Maharajan	18	M	9865555733	bikesh@gmail.com
<input type="checkbox"/>				7	Binita	Upadhaya	18	F	9863410775	binita@gmail.com
<input type="checkbox"/>				8	Dikshya	Pokhrel	18	F	9840317945	pokhareldikshya7@gmail.com
<input type="checkbox"/>				9	Kripesh	Neupane	18	M	9861490386	kripeshneupane10@gmail.com
<input type="checkbox"/>				10	Manish	Timilsina	18	M	9840590906	manish@gmail.com
<input type="checkbox"/>				11	Niharika	Sharma	18	F	9818928883	niharika@gmail.com
<input type="checkbox"/>				12	Niva	Maharjan	18	F	9818569991	nivv2059@gmail.com
<input type="checkbox"/>				13	Poem	Maharjan	18	M	9861539144	poemmahrajan4290@gmail.com
<input type="checkbox"/>				14	Pradyumna	Rajbhandari	18	M	9808270609	pradyumna@gmail.com
<input type="checkbox"/>				15	Pragati	Shrestha	18	F	9823108992	pragati.shrestha07@gmail.com
<input type="checkbox"/>				16	Pranab	K.C Pandey	17	M	9869724493	pranab@gmail.com
<input type="checkbox"/>				17	Prashanna	Shrestha	18	M	9840034677	prashannashrestha711@gmail.com
<input type="checkbox"/>				18	Samjhana	Lama	17	F	9849091492	samjhanlama456@gmail.com
<input type="checkbox"/>				19	Sandesh	Basnet	19	M	9843744896	sandeshbasnet773@gmail.com

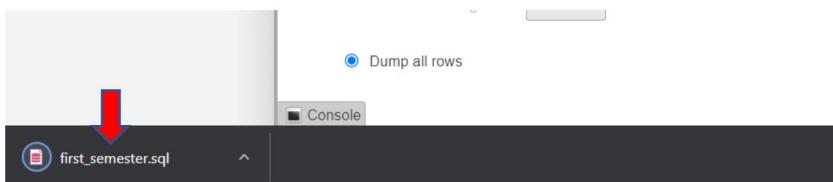
Check all With selected: Edit Copy Delete Export

Importing and Exporting Data :

To export the file, go to 'Export' tab and click 'Go'.



The SQL file is being exported or installed; you can view the file using a text editor.



To import the query, go to 'Import' tab and 'Choose File'. Choose any SQL file and the data is imported to table back again.



Importing into the table "student"

File to import:

File may be compressed (gzip, bzip2, zip) or uncompressed.
A compressed file's name must end in **[format].[compression]**. Example: **.sql.zip**

Browse your computer: first_semester.sql (Max: 40MiB)

You may also drag and drop a file on any page.

Character set of the file: