Cyber Forensics and Law

Aim: Write a program for creating backup file of Mysql database.

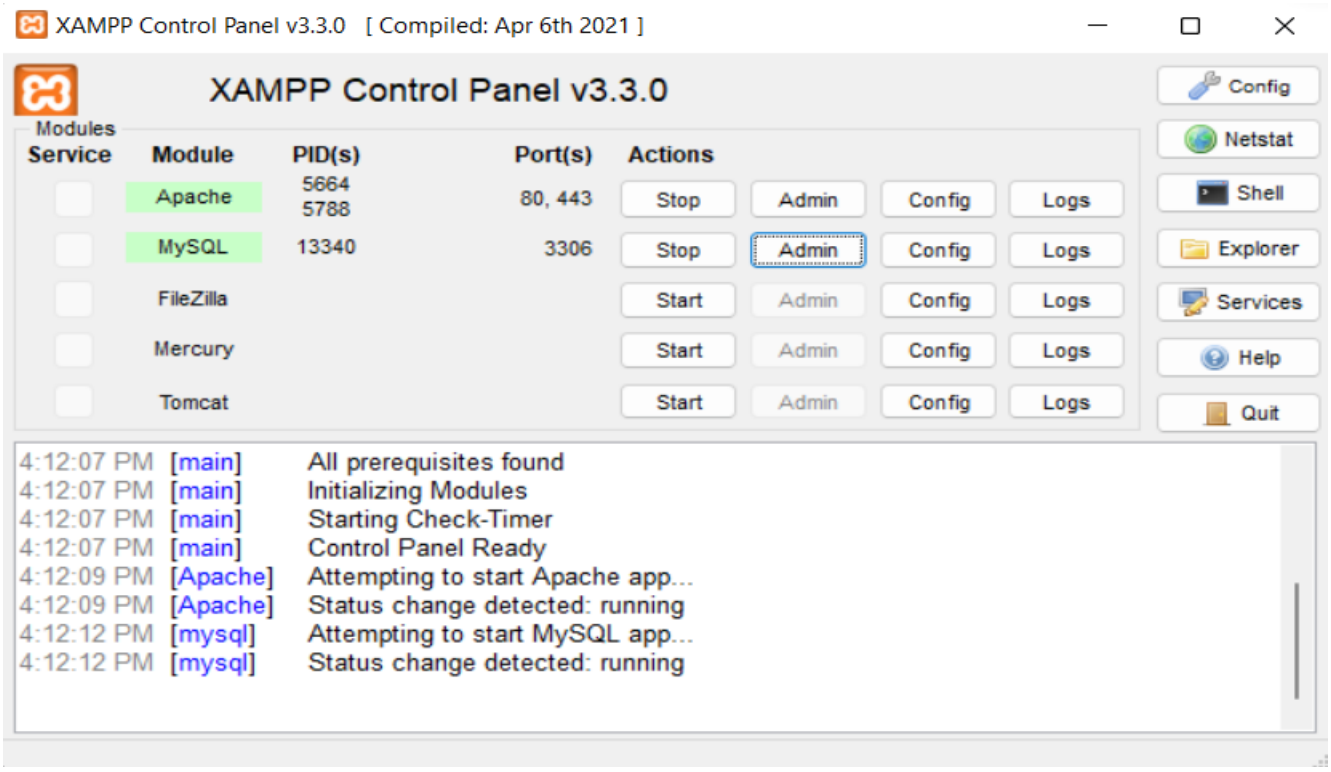
Source Code:

```
public class Backup
{
	public void backupDB(String path)
		{
			String executeCmd="C:/xampp/mysql/bin/mysqldump.exe -u root -B students -r"+path;
			System.out.println(executeCmd);
			Process runtimeProcess;
			try
			{
				runtimeProcess = Runtime.getRuntime().exec(new String[]{"cmd.exe","/c",executeCmd});
				int processComplete = runtimeProcess.waitFor();
				System.out.println(processComplete);

				if(processComplete==0)
				{
					System.out.println("Backup Created Successfully!");
				}
				else
				{
					System.out.println("Couldn't Create the backup!");
				}
```

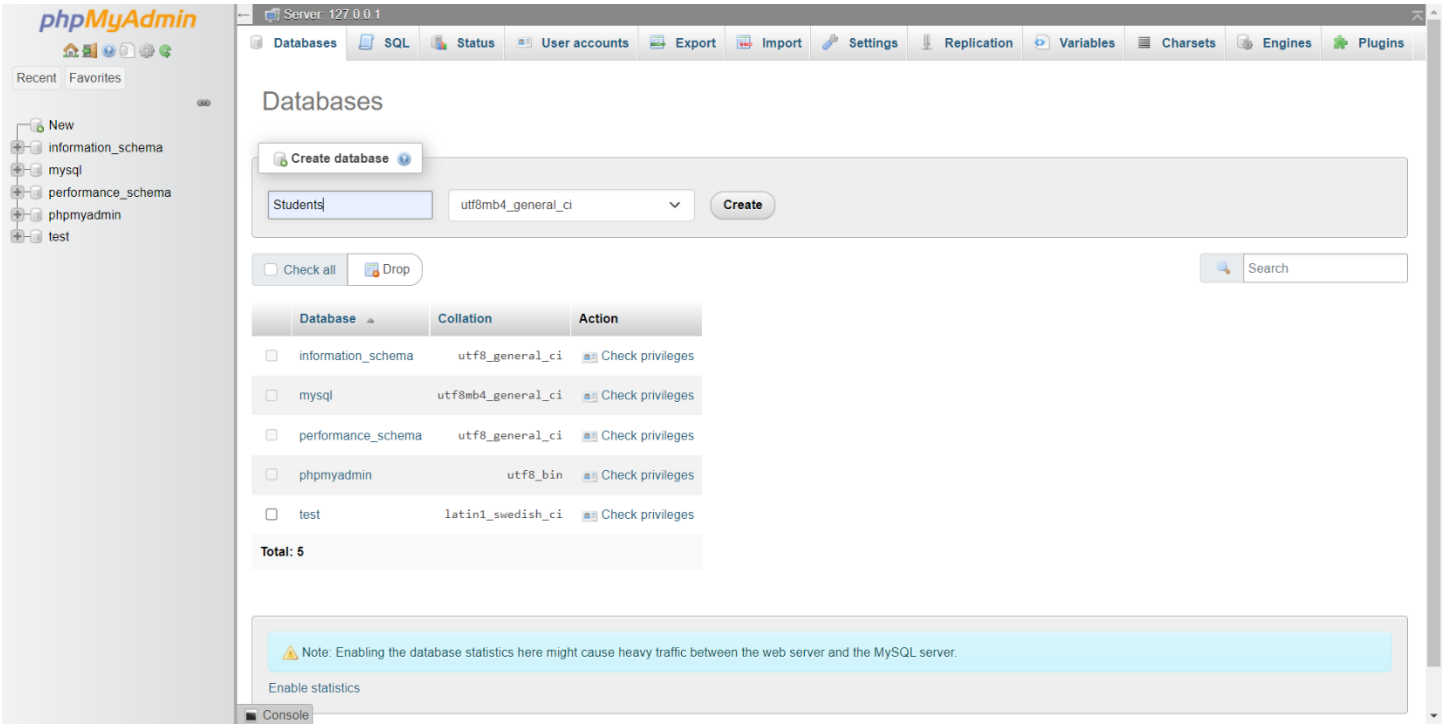
```
                }
                catch(Exception ex)
                {
                        ex.printStackTrace();
                }

        }
    public static void main(String args[])
    {
        new Backup().backupDB("E:/MScPractical/Sem3/CFL/MiniProject/db1.sql");
    }
}
```

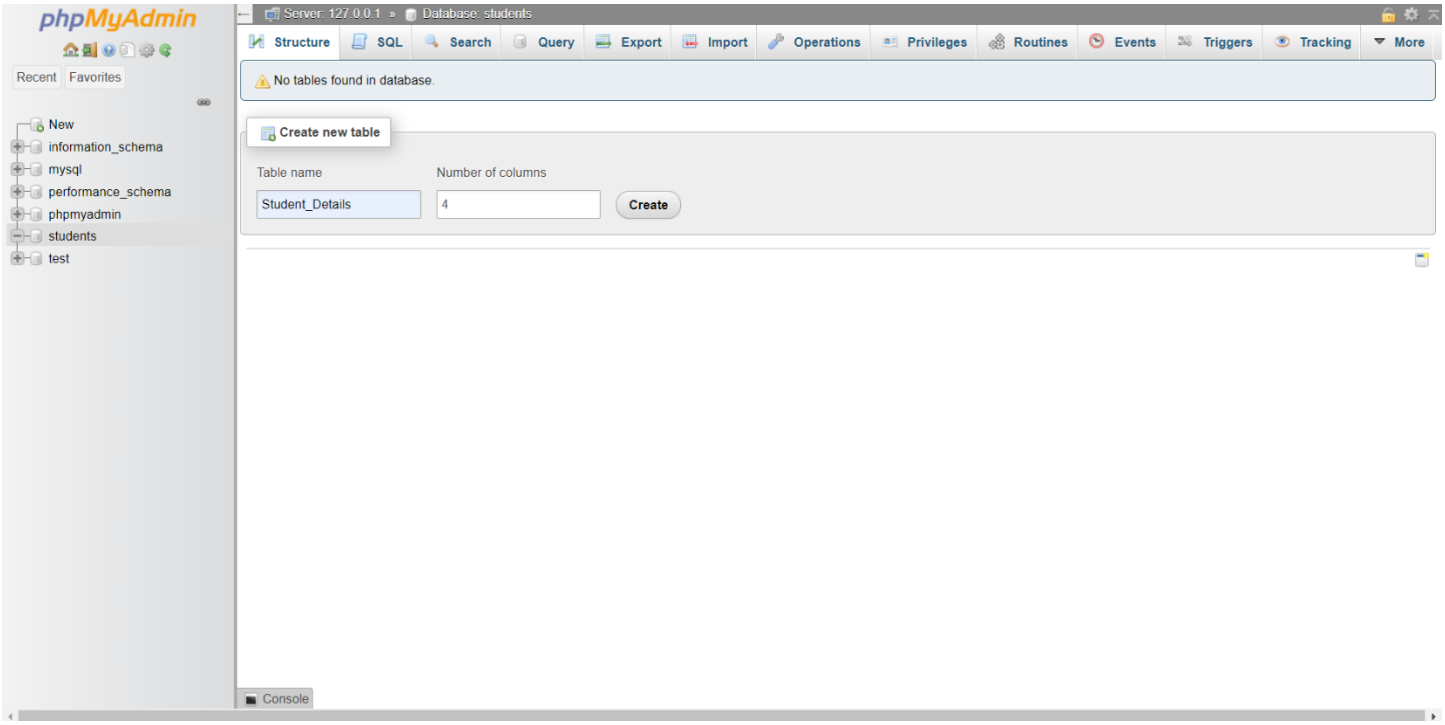
Steps:

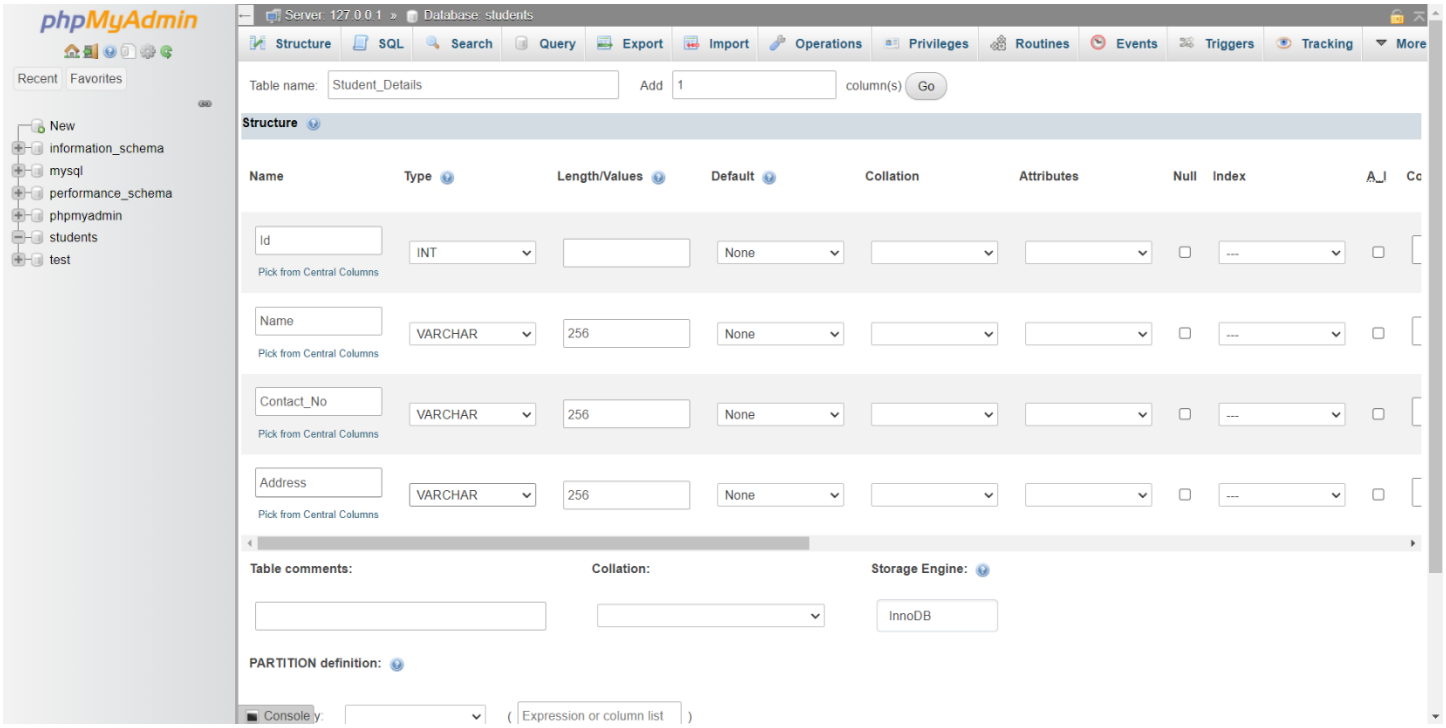
1. Download and install Xamp server and open it's Control Panel.

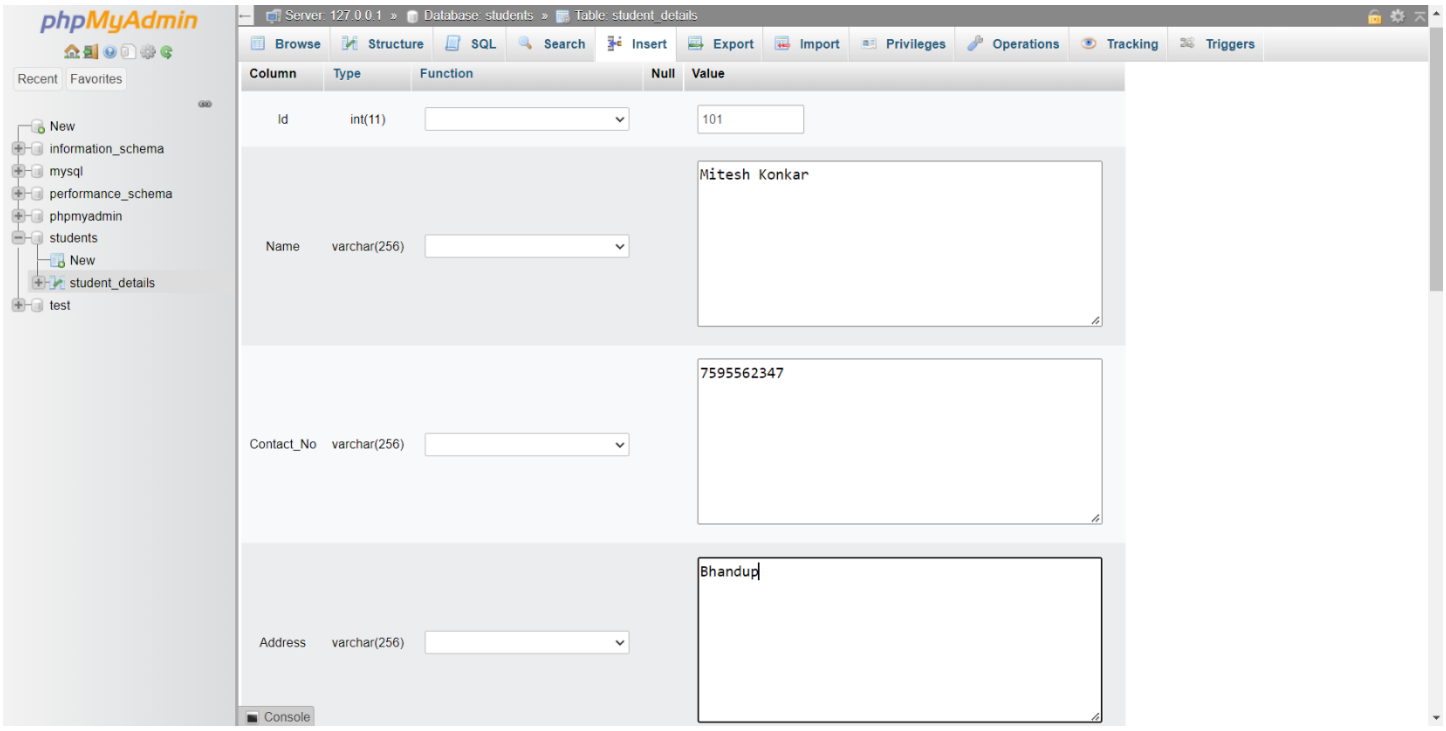


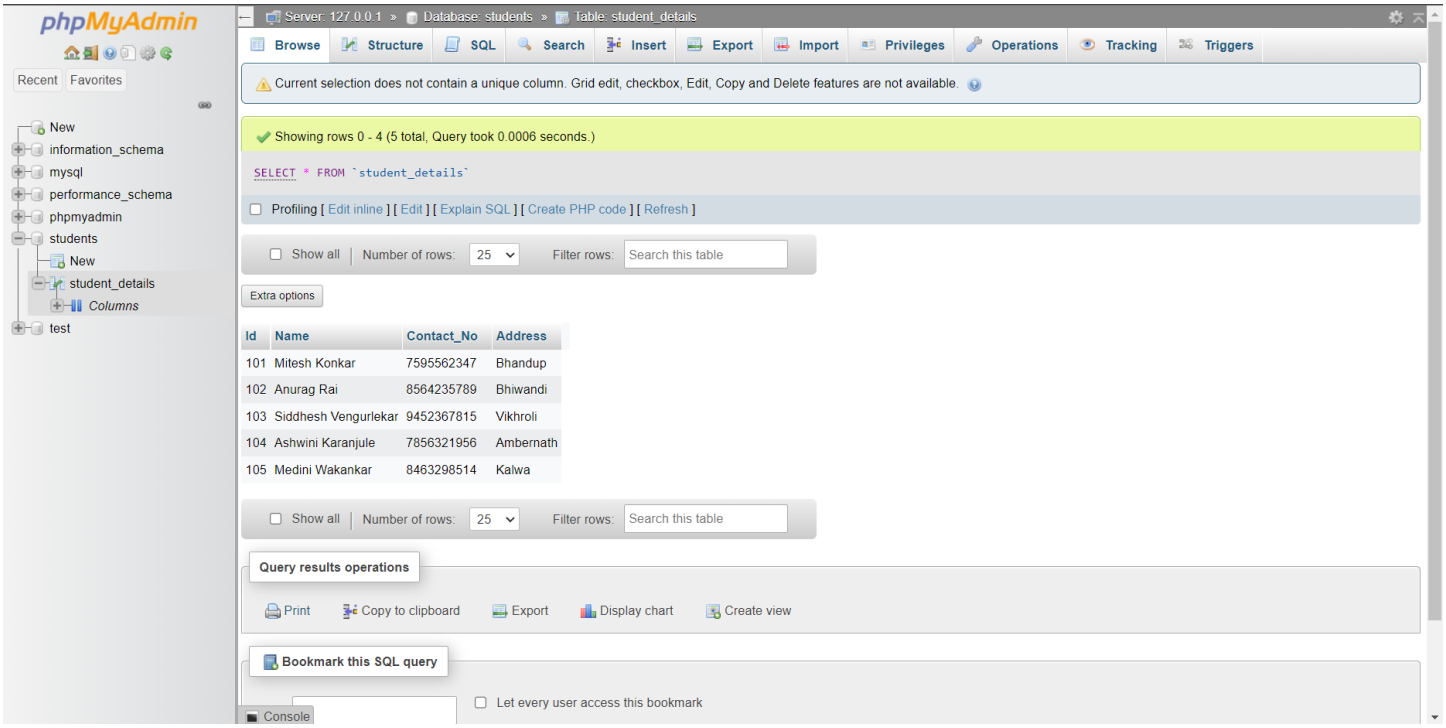
2. Start Apache and MySQL and open Admin for MySQL. Create a database and a table with some data in it for backup.

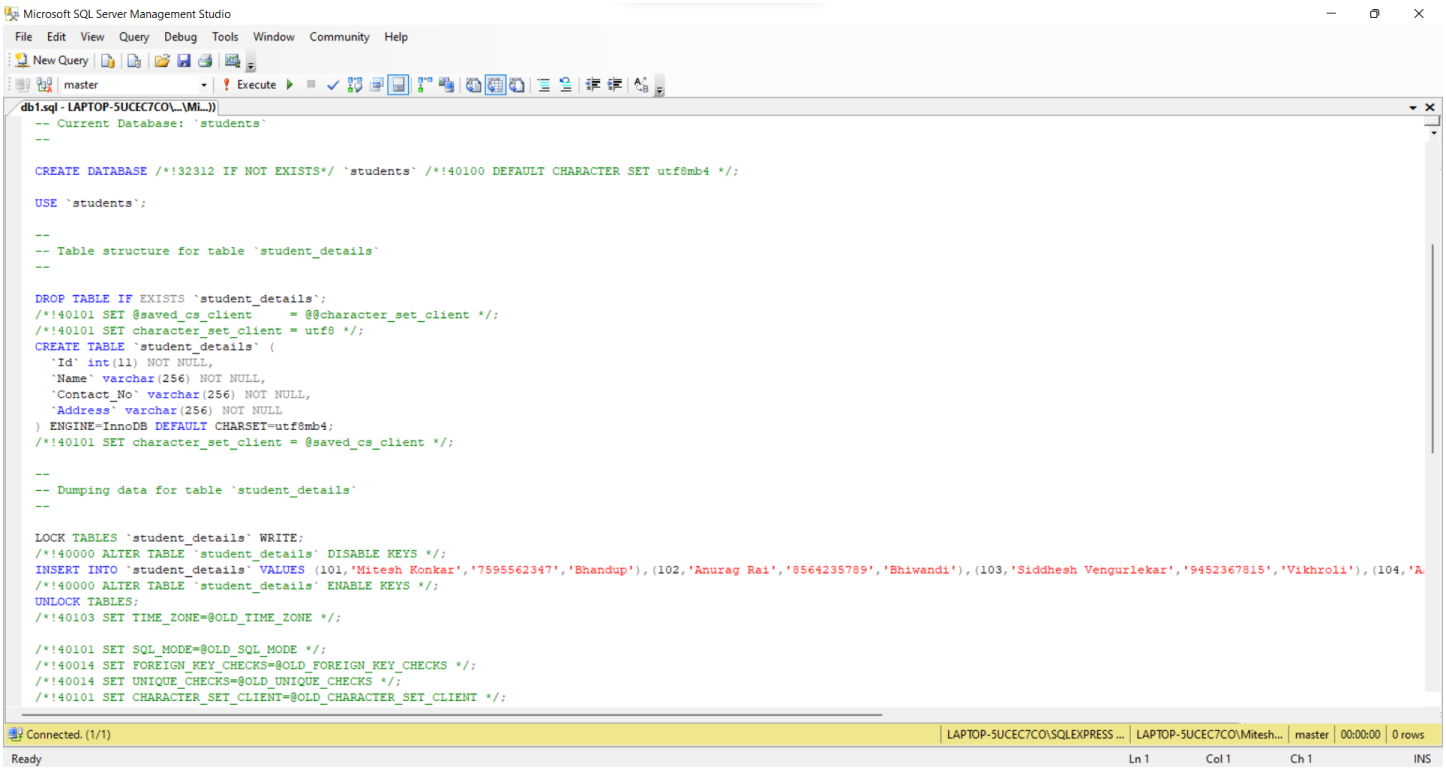





phpMyAdmin
Recent Favorites
New
information_schema
mysql
performance_schema
phpmyadmin
students
test
Server: 127.0.0.1 » Database: students
Structure SQL Search Query Export Import Operations Privileges Routines Events Triggers Tracking More
Table name: Student_Details Add 1 column(s) Go
Structure
Name Type Length/Values Default Collation Attributes Null Index A_I
Id INT None
Name VARCHAR 256 None
Contact_No VARCHAR 256 None
Address VARCHAR 256 None
Pick from Central Columns
Table comments: Collation: Storage Engine:
InnoDB
PARTITION definition:
Console
Expression or column list


phpMyAdmin
Recent Favorites
New
information_schema
mysql
performance_schema
phpmyadmin
students
New
student_details
test
Server: 127.0.0.1 » Database: students » Table: student_details
Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers
Column Type Function Null Value
Id int(11) 101
Name varchar(256) Mitesh Konkar
Contact_No varchar(256) 7595562347
Address varchar(256) Bhandup
Console



3. Use the above Source Code and create a backup of database.

4. The backed-up database will look like this.