

## Steps to setup MySQL Database on Raspberry Pi

- I. `sudo apt update`
- II. `sudo apt upgrade`
- III. `sudo apt install mariadb-server`  
Secure your Database with password
- IV. `sudo mysql_secure_installation`  
Set the password to secure  
Give all necessary required permission
- V. `sudo mysql -u root -p`  
Enter the password
- VI. `CREATE DATABASE testdb;`
- VII. `CREATE USER 'HMS' @ 'localhost' IDENTIFIED by 'changeme' ;`
- VIII. `GRANT ALL PRIVILEGES ON testdb. *TO 'HSM' @ 'localhost' ;`
- IX. `FLUSH PRIVILEGES;`
- X. Use testdb;
- XI. `CREATE TABLE MyTable(  
    _>INT AUTO_INCREMENT PRIMARY KEY;  
    _>name VARCHAR(255),  
    _>time DATE  
    _> )ENGINE=INNODB;`
- XII. `INSERT INTO MyTable(name, time) VALUES ('HSM',now());`
- XIII. `SELECT * FROM MyTABLE;`

### PHPMyAdmin

- XIV. `sudo apt install phpMyAdmin`
- XV. `sudo apt install php`
- XVI. `sudo nano /etc/apache2/apache2.conf`
- XVII. `sudo service apache2 restart`
- XVIII. `sudo ln -s /usr/share/phpMyAdmin /var/www/html`
- XIX. `hostname -I`  
Copy the IP address of Raspberry Pi  
Type IP address/phpmyadmin/ on any web browser  
Enter the user credential to login  
We can access Databases from left side of window  
And modify required changes inside the table