

# LAMP CREATION AND DATABASE STORING

```
sudo apt update
1 install apache
sudo apt install apache2 apache2-utils -y
sudo systemctl start apache2
sudo systemctl enable apache2
sudo systemctl status apache2

apache2 -v
sudo chown -R www-data:www-data /var/www/html

2 install MariaDB
sudo apt install mariadb-server mariadb-client
sudo systemctl start mariadb
sudo systemctl enable mariadb
sudo systemctl status MariaDB
mariadb --version|

3 MySQL secure
sudo mysql_secure_installation
enter
no
yes
set password
yes
yes
yes
yes

4 MariaDB create db,table

mariadb -u root -p
CREATE DATABASE bunny1;
USE bunny1;
CREATE TABLE bunny1(id INT PRIMARY KEY,name VARCHAR(100));
show databases;
exit

5 php install

sudo add-apt-repository ppa:ondrej/php
sudo apt update
sudo apt install php8.2 libapache2-mod-php8.2 php8.2-mysql php8.2-common php8.2-opcache php8.2-readline php-json
a2enmod php8.2
php --version
sudo systemctl restart apache2
```

## Form.php

```
GNU nano 6.2 /var/www/html/form.php
<!DOCTYPE html>
<html>
<head>
  <title>Simple Form</title>
</head>
<body>
  <h2>Enter ID and Name</h2>
  <form method="post" action="">
    ID: <input type="number" name="id" required><br><br>
    Name: <input type="text" name="name" required><br><br>
    <input type="submit" value="Submit">
  </form>

  <?php
  if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $id = $_POST['id'];
    $name = $_POST['name'];

    try {
      // Connect to MariaDB using PDO
      $pdo = new PDO("mysql:host=localhost;dbname=bunny1", "root", "123");
      $pdo->setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);

      // Insert data
      $stmt = $pdo->prepare("INSERT INTO bunny1 (id, name) VALUES (:id, :name)");
    }
  }

^G Help      ^O Write Out  ^W Where Is   ^K Cut        ^T Execute    ^C Location
^X Exit      ^R Read File  ^\ Replace    ^U Paste      ^J Justify    ^_ Go To Line
```

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    // Insert data
    $stmt = $pdo->prepare("INSERT INTO bunny1 (id, name) VALUES (:id, :name)");
    $stmt->bindParam(':id', $id, PDO::PARAM_INT);
    $stmt->bindParam(':name', $name, PDO::PARAM_STR);
    $stmt->execute();

    echo "<p style='color:green;'>✔ Data inserted successfully!</p>";
} catch (PDOException $e) {
    echo "<p style='color:red;'>✘ Error: " . $e->getMessage() . "</p>";
}

$pdo = null; // Close connection
?>
</body>
</html>
```

Help Write Out Where Is Cut Execute Location M-U Undo  
Exit Read File Replace Paste Justify Go To Line M-E Redo

Output

Simple Form

Not secure 192.168.37.135/form.php

### Enter ID and Name

ID:

Name:

✔ Data inserted successfully!

---

```
sp@sp-virtual-machine:~$ mariadb -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 39
Server version: 10.6.22-MariaDB-0ubuntu0.22.04.1 Ubuntu 22.04

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> USE bunny1;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
MariaDB [bunny1]> SELECT*FROM bunny1;
+----+-----+
| id | name |
+----+-----+
|  1 | sp   |
|  2 | pri  |
+----+-----+
2 rows in set (0.000 sec)
```