

ChatGPT – Starting a mySQL Basic Database

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I asked ChatGPT,

How to start a basic mysql database using ubuntu linux?

ChatGPT:

“Starting a basic MySQL database on Ubuntu Linux involves installing MySQL, securing the installation, and creating a database. Follow these steps:

Step 1: Install MySQL

1. Update your package list:

```
bash
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sudo apt update
```

2. Install MySQL Server:

```
bash
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sudo apt install mysql-server -y
```

3. Verify MySQL is running:

```
bash
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sudo systemctl status mysql
```

If it's not running, start it with:

```
bash
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sudo systemctl start mysql
```

Step 2: Secure MySQL Installation

Run the security script to set a root password and remove insecure defaults:

```
bash
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sudo mysql_secure_installation
```

- Choose a strong root password.
- Remove anonymous users.
- Disallow remote root login.
- Remove the test database.

Step 3: Log in to MySQL

Access MySQL using the root user:

```
bash
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sudo mysql -u root -p
```

Enter the password set in the previous step.

Step 4: Create a Database

Once inside the MySQL prompt, create a database:

```
sql
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CREATE DATABASE my_database;
```

You can check if it's created by listing databases:

```
sql
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SHOW DATABASES;
```

Step 5: Create a User and Grant Privileges

1. Create a new user (replace new_user and password with your values):

```
sql
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CREATE USER 'new_user'@'localhost' IDENTIFIED BY 'password';
```

2. Grant privileges to the user:

```
sql
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GRANT ALL PRIVILEGES ON my_database.* TO 'new_user'@'localhost';
```

3. Apply changes:

```
sql
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FLUSH PRIVILEGES;
```

Step 6: Exit MySQL

Exit the MySQL prompt:

```
sql
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EXIT;
```

Step 7: Test the New Database

Log in as the new user:

```
bash
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mysql -u new_user -p
```

Select the database:

```
sql
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USE my_database;
```

Create a test table:

```
sql
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CREATE TABLE users (id INT AUTO_INCREMENT PRIMARY KEY, name VARCHAR(100));
```

Insert sample data:

```
sql
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INSERT INTO users (name) VALUES ('Alice');
```

Check the data:

```
sql
```

```
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SELECT * FROM users;
```

That's it! You now have a basic MySQL database running on Ubuntu Linux."