

Welcome back. In the last task, you have set up the python interpreter. Now we will install Maria DB database server. To install Maria DB server package. Use the command `sudo apt install mariadb-server -y` after pressing enter, you can see these commands will install Maria DB. Great! Now you have successfully installed the Maria DB database server on your package. Now let's move on to configure Maria DB database server. After the installation we will execute the command `sudo mysql_secure_installation`, press enter. This script will allow you to change some of the less secure default options. This will take you through a series of prompts where you can make some changes to your Maria DB installations security options, for things like remote root logins and sample users. Let us go through each one. The first prompt will ask you to enter the current database root password. At this point, You have not set the password, press enter to indicate none. The second prompt ask you whether you would like to set up a database root password. On ubuntu the root account for Maria DB is tied closely to automated system maintenance. So you should not change the configured authentication methods for that account. Type 'N' that is No. And then press enter. For all the subsequent questions, You can press 'Y' that is 'Yes' And then enter to accept the default values. Now we will test the Maria DB server status. To check the status of the server whether it is active and running. Execute the command `sudo systemctl status mariadb` press enter. Press 'q' to exit Cool. You have just finished installing the Maria DB server and tested the status. Next you will configure the Maria DB database server. Log into the DB using root credentials. Type the command `sudo mysql -u root -p` Press enter. Login to the database as root user. Press enter when the password is prompted. You will be logged into the Maria DB console as displayed on the screen. Now that we are logged then we can begin to create databases to test the connection. Let us start with creating a database to hold the names of each one of our employees. We will name the database as Employee, to create a database type the query `create database plus the name of the database`. So in this case Employee will create that name. database press enter. To verify the connection, type the query `show databases` press enter. You can view the database awesome! Now that you know how to create a database. You can pause the video and create a few more databases for Department, Customer, Account and Transactions. When you resume the video. We will move onto... Welcome back with the databases created we will now create a user and grant him privileges to access the database. Now let us start creating a user which needs a name and an identifier In this case we will name our user user1 and provide him a password. Next we will take this information and add it into the standard query. Look at the screen and type the query. After typing the query press enter. As a best practice we will verify the user we just created. Execute the query `select user from mysql.user;` press enter. You can see the user1 being created successfully. Now let's grant privileges to the user1 to achieve that. You can use the query, look at the screen and type the query after typing the query press enter. This query helps to grant privileges to user1 on all the tables of Employee database. Fantastic. Now you have successfully created a user and granted the necessary privileges. Pause the video and create user2 with password as abc@123, verify whether the user is created successfully and finally grant all the privileges to user2 on Department database. Remember this department database and user name user2 and password. As you will be working with these credentials later on. Type exit to come out from the mariadb console. Awesome! in this task you have successfully installed and configured Maria DB database server and created a user. In the next task you will learn how to create a simple python script. See you there!