Welcome back in the previous task you are able to successfully configure the mariadb database server. Now you will test the python interpreter by creating the first python script to take input from the user and displayed on the console. Before we start learning python scripting. Let us understand. Why do you have to go with the python language for scripting ? Python is an interpreted language and is also a platform independent. You will be able to write and execute scripts without worrying about the operating system. Let us begin with writing a simple python script which takes input from the user and store it in a variable and eventually display it on the console. Create a python script with the name myscript.py using the command vi myscript.py press enter. It will create a new file myscript.py and opens the visual editor for editing the file press the key 'i' to switch to insert mode and start editing the file. Let us import getpass module, which helps us to mask password at a later point in the script. Now let us continue and create variables for various inputs required to connect to the database. You will require the hostname of the server hostname = input enter the hostname. Username of the database user username = input enter the username, the database name You want to connect database= input enter the database name and finally password of the user password= getpass getpass enter the password. To verify if the variables are storing the input values passed during script execution. Let us print all the variables using the print statements print the variable details are followed by print hostname, print username, Print database , print password Now press the 'esc' key o exit from the insert mode. Press :wq and hit enter to save and exit from the visual editor. Excellent. You have successfully created your first python script. Now it's time to execute the script and see the output For this. Execute the command python3 myscript.py, press enter The first prompt will be for the hostname you will enter the hostname as localhost and press enter. The second prompt is for the username, you will enter user1 which you created in task 3. and press enter , in the 3rd prompt you will enter the database name which you wish to connect, such as Employee, Department, Customer, Accounts etc. At this point, you had already created a database Employee provide Employee as the database name to connect and press enter. In the final prompt you will enter the password as abc@123 press enter. You can observe the variable details are printed on the console. Pause the video and run the script myscript.py by

passing hostname as localhost, username as user2, database name as Department and finally the password of user2 as abc@123 Remember the database Department and username user2 are already created in task 3. Superb! you have completed the 4th task of writing and executing your first python script. Next, you will see how you can write a python script, which establishes the connection to the Maria DB database. server, see you there!