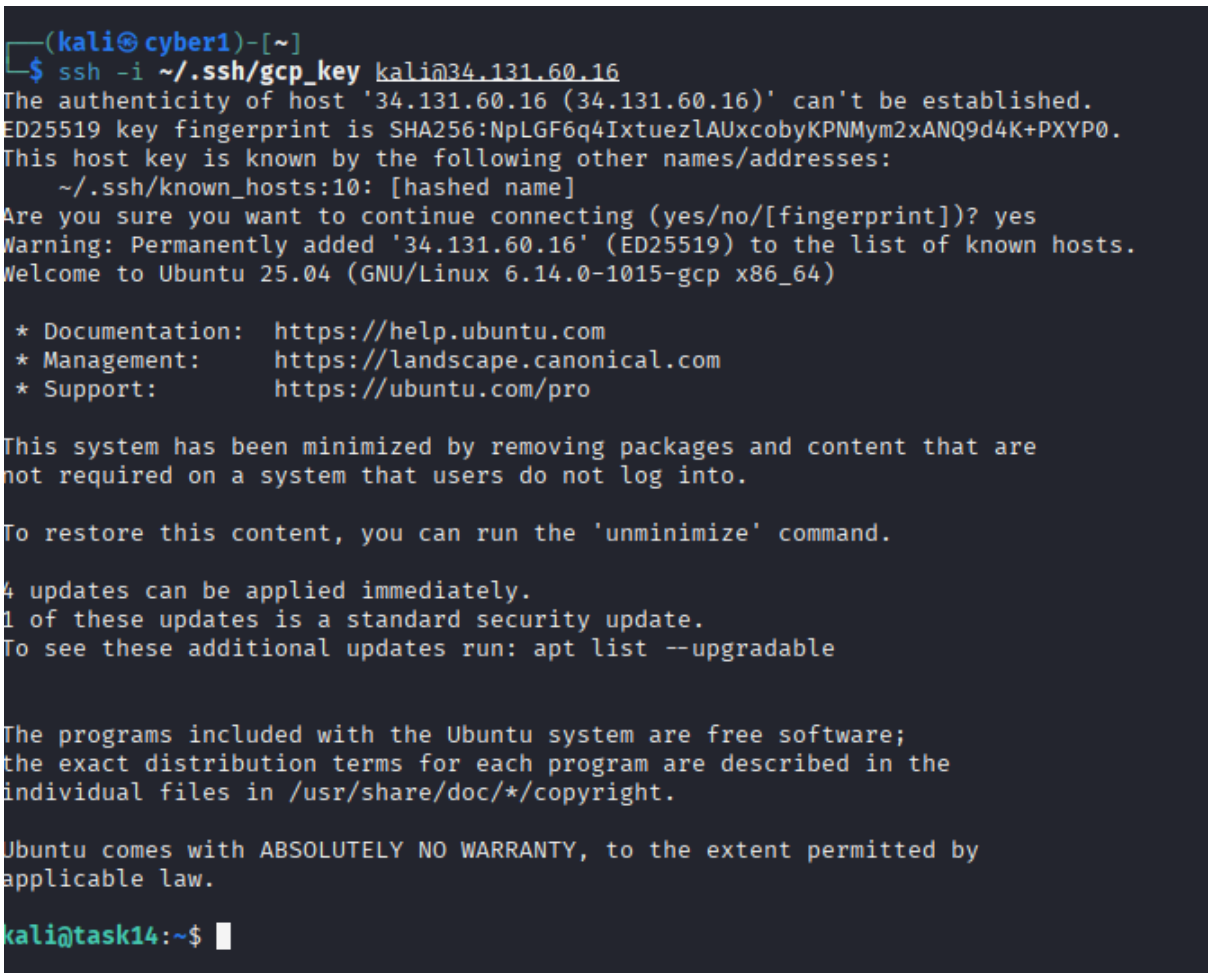
Cloud VM Deployment

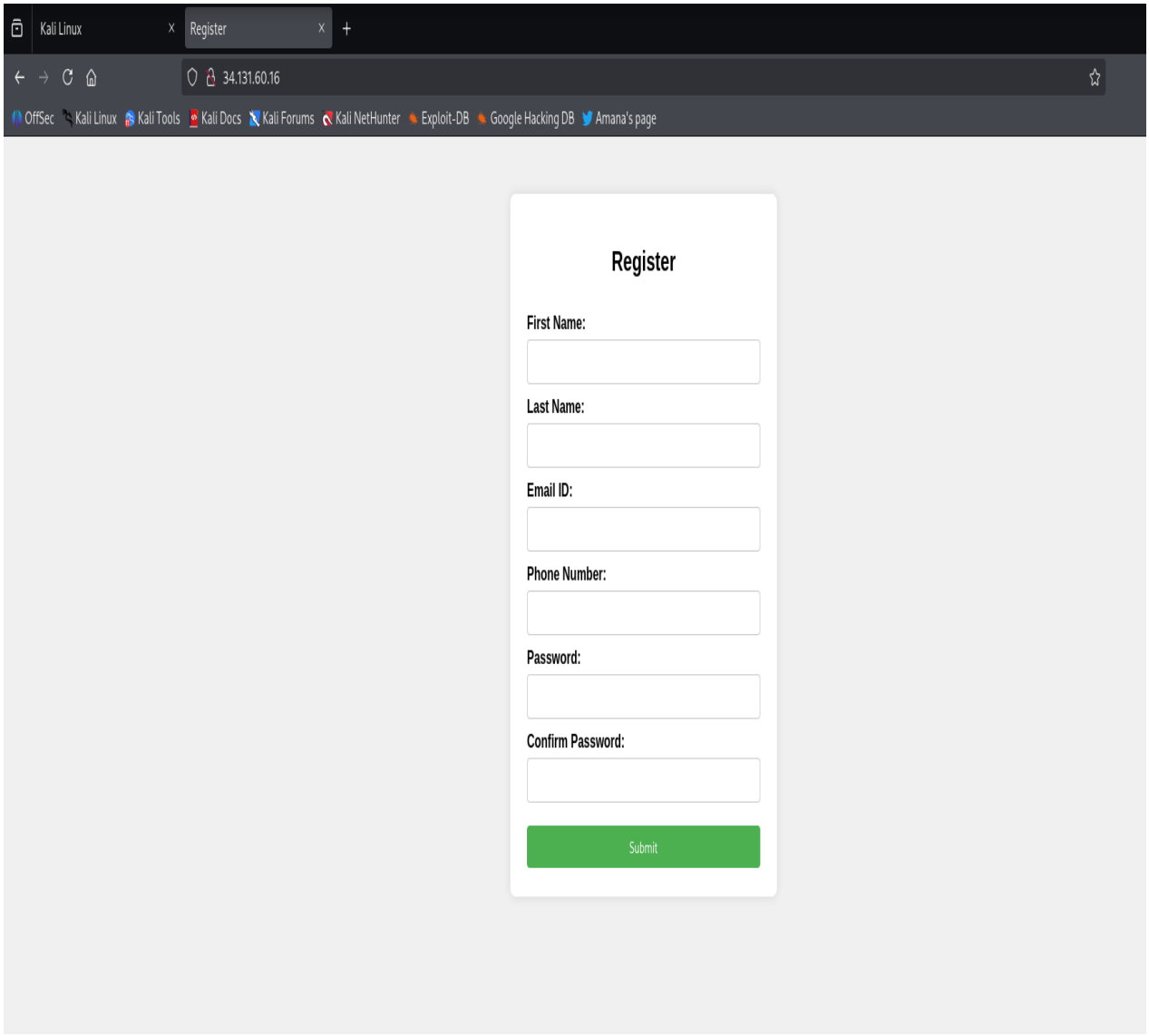
Step 1: Get the VM Ready

To start, you need to create a free virtual machine (VM) in a cloud service like AWS, GCP, or Azure. Once the VM is running, you'll establish a secure connection to it from your Kali Linux terminal using SSH.



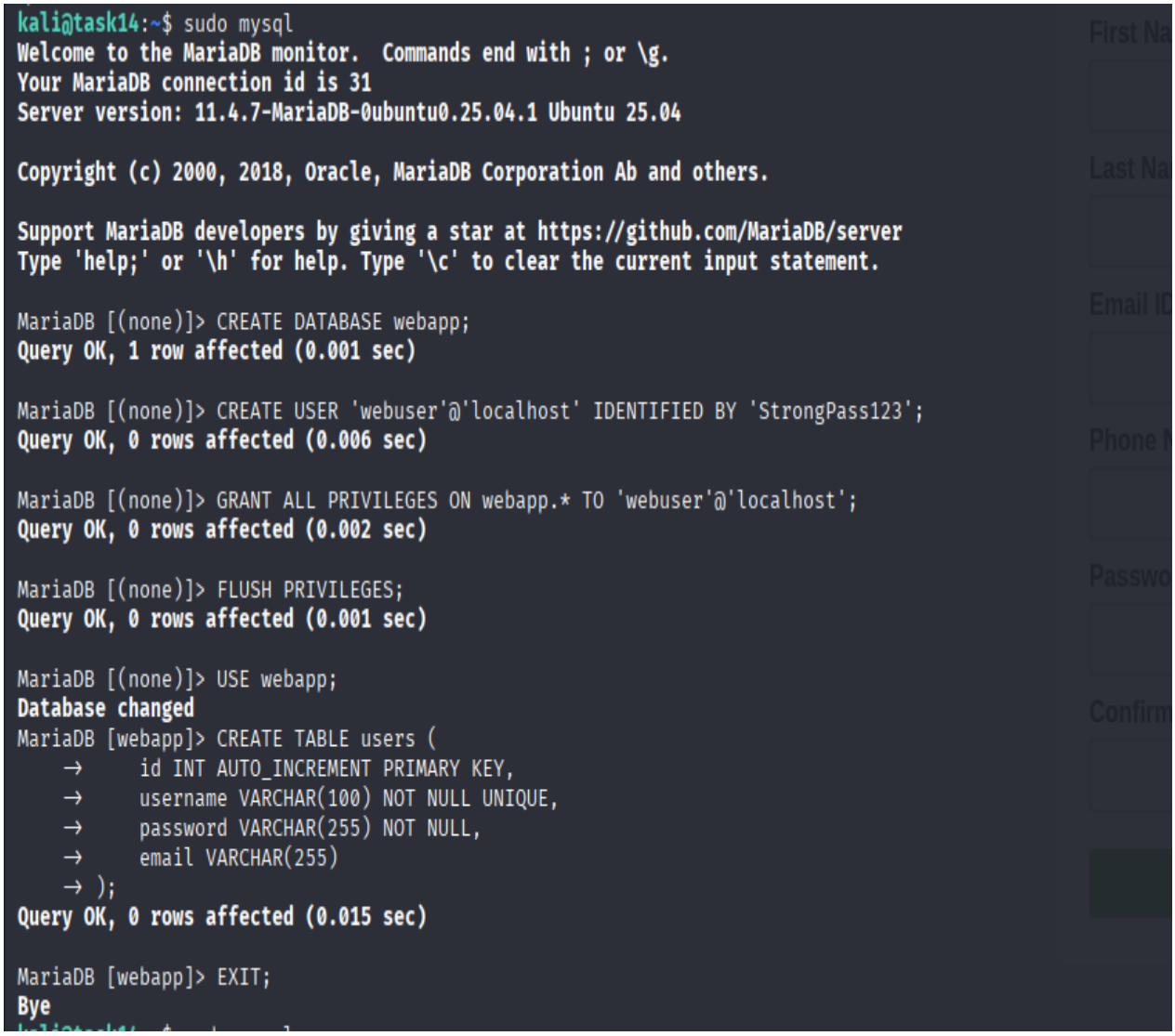
Step 2: Put Your Web Page Online

After you're connected, you'll get your web page files onto the VM. First, **clone the GitHub repo**. Then, you'll **install the Apache web server and copy your files** into its root directory. This makes your webpage accessible to the public internet. Your second screenshot will show your webpage successfully loaded in a web browser using the VM's public IP address.



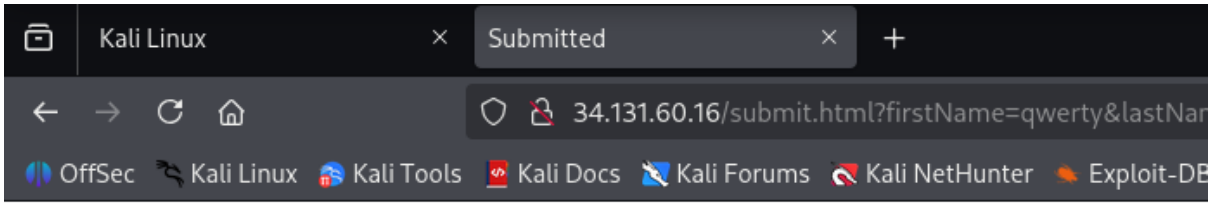
Step 3: Set Up the Database

To enable user registration,Need a place to store the data. You will **install PHP and MySQL** on the VM. After the installation, **log into MySQL** and **create a new database, a table, and a user**. This provides the necessary structure to store of user information. the third screenshot will capture the terminal commands you used to set up the database components.



Step 4: Create a User Account

In this final step, The web application fully functional. we need to **create the necessary PHP files** that will handle user registration and login. Once the files are in place, **register a new user and then log back in** to test the system. Your fourth and final screenshot will show that you have successfully logged in, confirming everything is working as it should.



You've been registered.

Please check your email for details.

Final Checklist

- **Note the VM's public IP:** This is the address people will use to access the webpage.
- **Upload the files:** Create a text file with these steps, the four screenshots, and the IP, and upload it all to your GitHub repo named `task14`.
- **Terminate the VM:** Be sure to terminate the VM after a week to avoid any unexpected charges.