

Insecure Direct Object Reference (IDOR)

1. Configuring of Burp Suites in the Firefox Browser: -

- Open Burp suits Application in Kali and make sure that it is running in localhost at Port number 8080.
- Go to Firefox setting, open Network setting and set Proxy server as 127.0.0.1 is IP address and port number is 8080.
- Enable the check of use this proxy to all HTTPS requests.

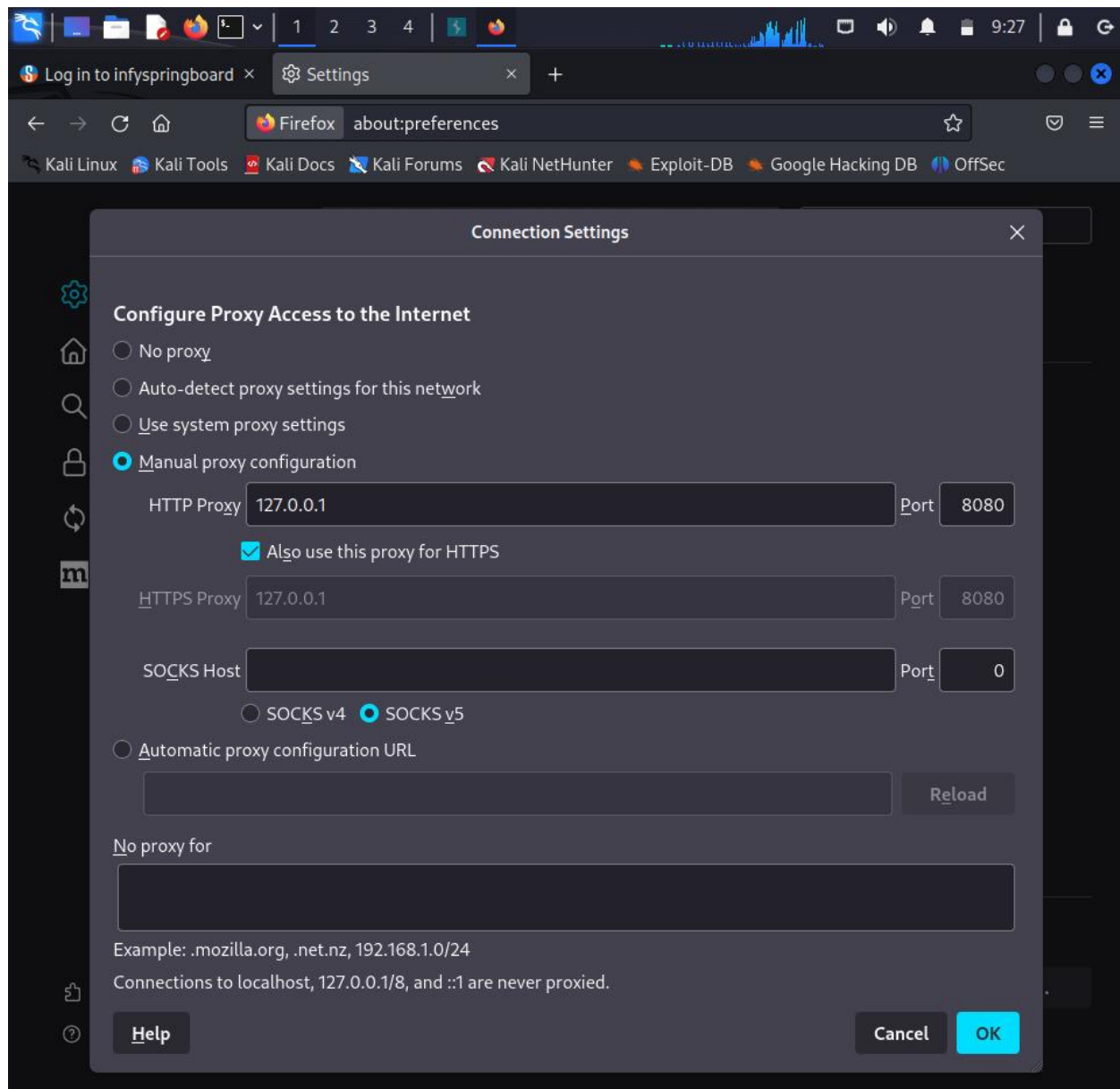


Fig. Configuring the Burp suits Proxy in Firefox browser

2. Configuration of OWASP tool:

- Turn on OWASP machine and search the IP address of OWASP into Kali's browser.
- Select OWASP webgoat >Access Flow Control>Role Based Access Control.
- Log-in with any User and password will be the lower case of user's first name.

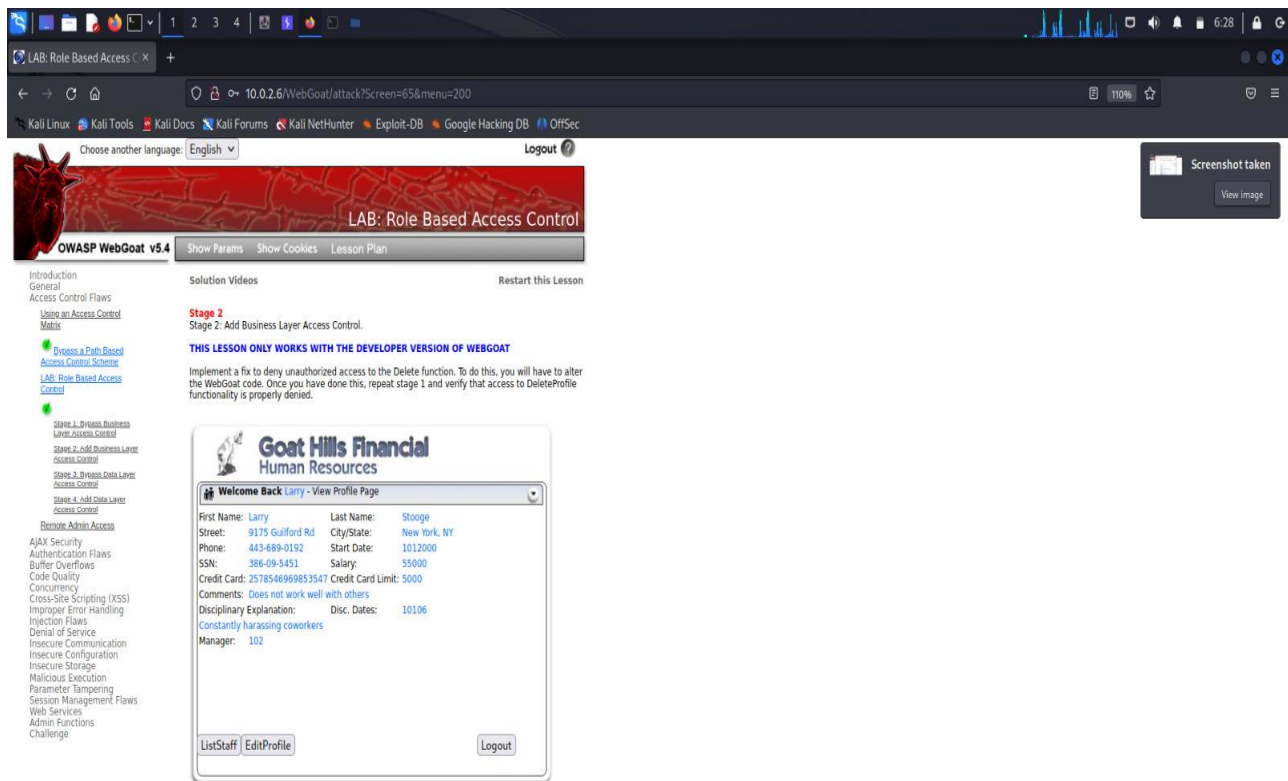


Fig. Viewing of Self data in the Database.

3. Capturing Victim's requested information in Burp suit:

- Turn on the Burp suit and goto Target panel.
- Find the **POST** https request and push it to **REPEATER** panel by right clicking on mouse pad and select the **SEND TO REPEATER** option.

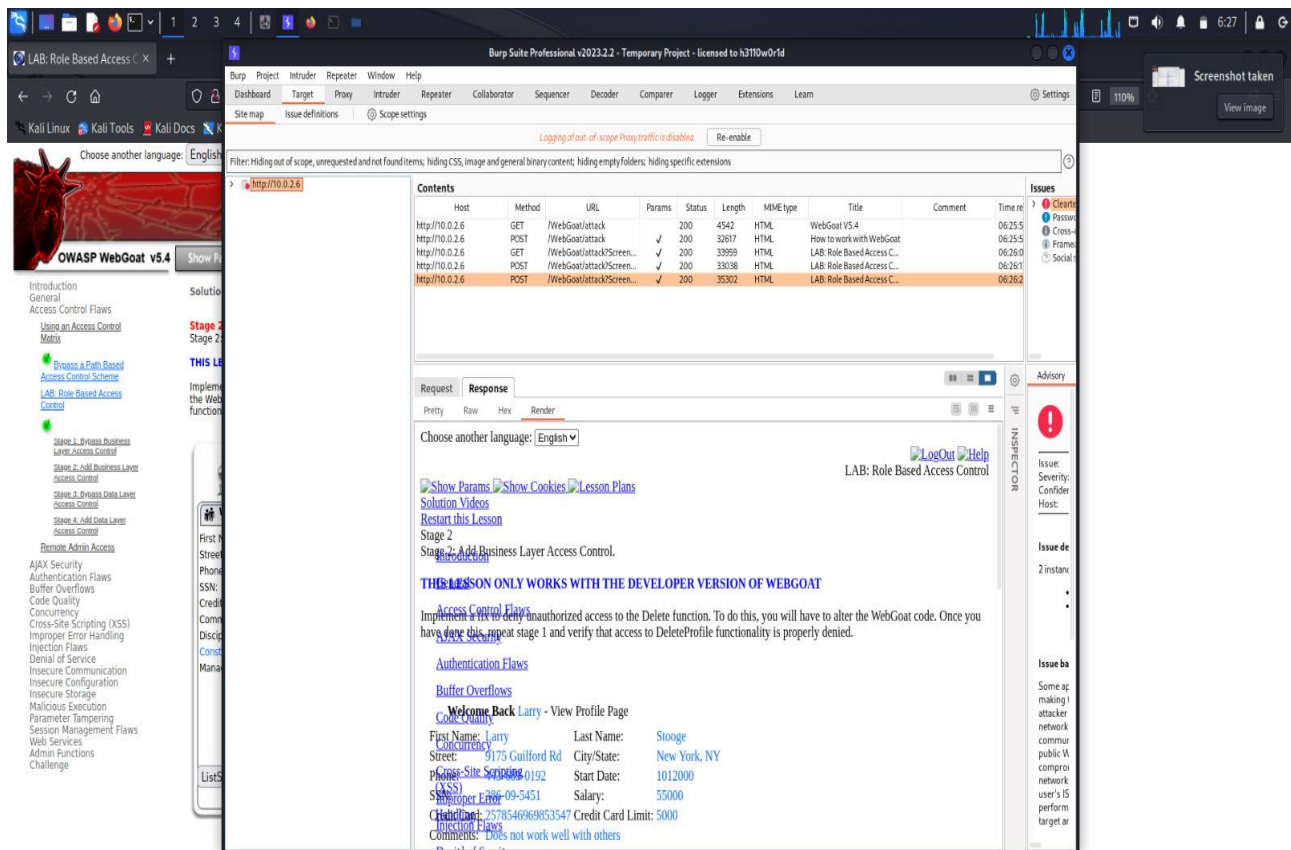


Fig. Pushing of POST request of Victim's browser to the Repeater panel.

4) Modifying the captured request of the User to view the other's data: -

- To view the Other's data then instead of refereeing data user's data should be based on numbers.
- To use this vulnerability the Database should be referenced with number not as user name.
- Then change the **Id** number from the captured request and again click on the **SEND** button.

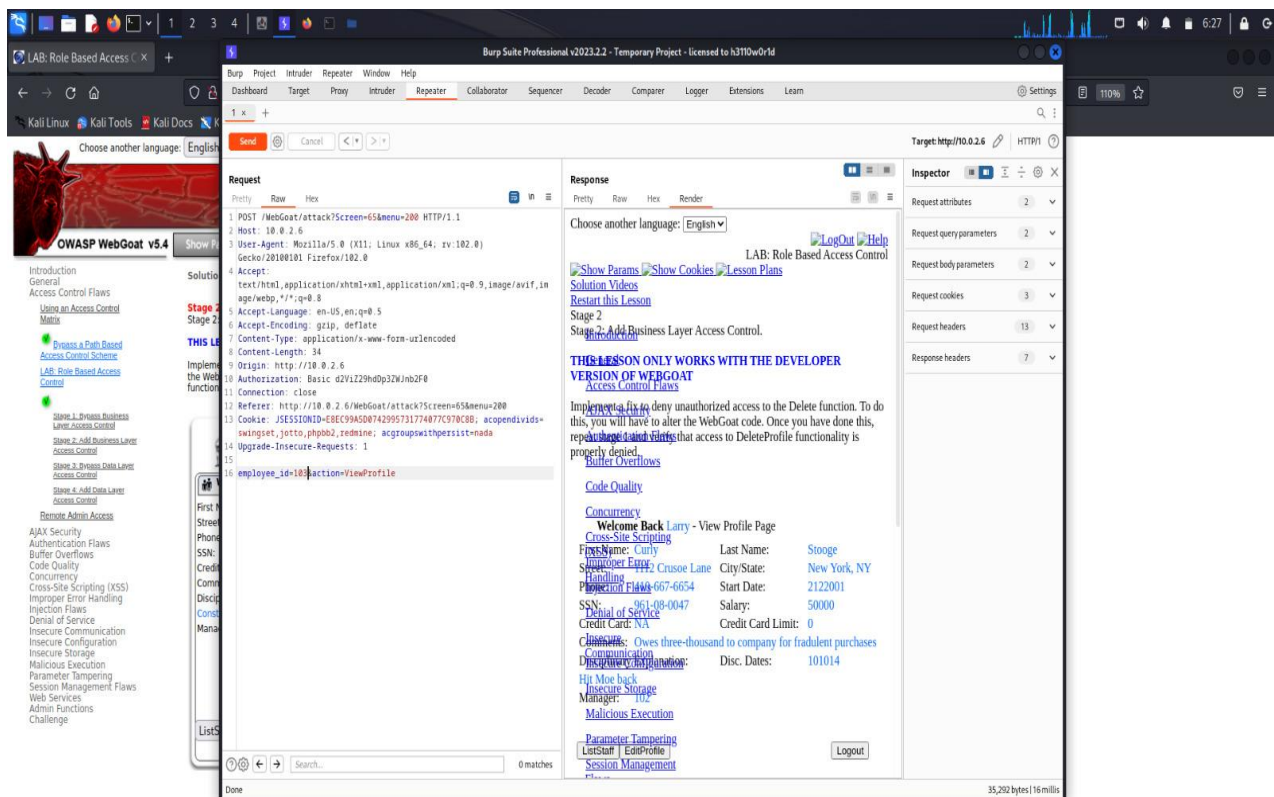


Fig. Accessing of other's details from the Database.