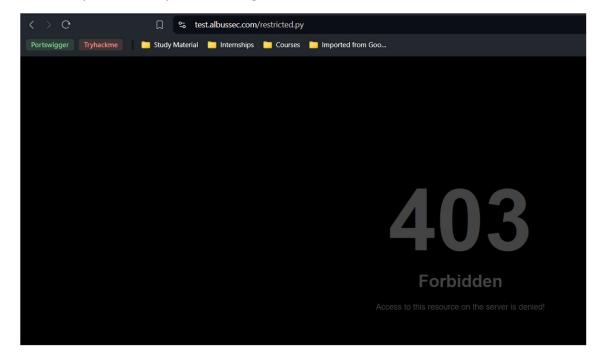
Albus Security Exam Challenge 6

What steps are needed to bypass the 403 Forbidden error and access the **/restricted.py** file on the domain **test.albussec.com**

Steps:

- 1. I used Burp Suite tool for this task.
- 2. I intercepted the **restricted.py** request from Browser to BurpSuite.
- 3. I analysed the request which gives me 403 Unauthorized Code.



- 4. I tried many headers to bypass 403 Error but I didn't get the desired Result.
- 5. At Last, I tried a Header: **X-Forwarded-For: 127.0.0.1** and I got a 200 OK Response.

Result:

```
403 Forbidden
                                                                                                                                                                                                                                                                                 × test.albussec.com/restricted.× +
            ← → C @
                                                                                                                                                                                                                                                                                                              ○ A https://test.albussec.com/restricted.py
          🤏 Kali Linux 🛮 😝 Kali Tools 💆 Kali Docs 🐹 Kali Forums  Kali NetHunter 🔌 Exploit-DB
 <!DOCTYPE html>
-thml lang="en">
-kead>
-chead>
-cmeta charset="UTF-8">
-cmeta name="viewport" content="width=device-width, initial-scale=1.0">
-title>Complex JavaScript logic</title>
-thm-device-width, initial-scale=1.0">
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   /memi-

// Check if the language is UTF-8 (complex version)

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const sulf8 = (lang) ⇒ /urf8f/i test(lang);

const langCheck = isUTF8("urf8") ? ['ucs-bom', 'utf-8', 'latin1'] : [];
     // Settings with over-complicated logic
let settings = {
   bs: []
     ('indent', 'eol', 'start'].forEach(v => {
    settings.bs.push(v);
    if (settings.bs.length > 3) {
        settings.bs.reverse();
}
 // Auto-command with over-complicated logic
function complicatedAutocommandLogic(a, b) {
return (a > 0 δδ a ← b) ? Math.sqrt(a + b) : false;
   function hasAutocmdSupport() {
    // Simulate checking for autocommand support wpusername ->
    return true;
 if (hasAutocmdSupport()) {
  let a = test.albussec.com;
  let b = 100;
  let jumpResult = complicatedAutocommandLogic(a, b);
                     if (jumpResult) {
   console.log("Jump to line " + Math.round(jumpResult * 10));
                     function setDirectories(d) {
  const dirs = ['~/tmp', '/var/tmp', '/tmp'];
  return dirs.map(dir => d + dir);
                   const dirList = setDirectories("/mnt");
console.log(dirList); // Output the directories
 // Filetype plugin setting (complicated)
const filetypePluginOn = [true].reduce((carry, item) => {
    return carry 66 item ? !carry : carry;
}, true);
// Terminal settings (over-complicated)

const term = 'xterm';

if (term.split('').map(char => {
    return String.frontCode(((char.charCodeAt(0) - 97 + 13) % 26) + 97);

}.join('') === 'kgrez') {
    const t_Co = [...Array(8).keys()].reduce((a, b) => a + b, 0);
    const t_Sb = '\x18[4\dm';
    const t_Sb = '\x18[4\dm';
    const t_Sb = '\x18[4\dm';
    const t_Sb = \( x_18[4\dm';
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