



Challenge Name: vault-door-training

Category: Reverse Engineering

AUTHOR: MARK E. HAASE

Description

Your mission is to enter Dr. Evil's laboratory and retrieve the blueprints for his Doomsday Project. The laboratory is protected by a series of locked vault doors. Each door is controlled by a computer and requires a password to open. Unfortunately, our undercover agents have not been able to obtain the secret passwords for the vault doors, but one of our junior agents obtained the source code for each vault's computer! You will need to read the source code for each level to figure out what the password is for that vault door. As a warmup, we have created a replica vault in our training facility. The source code for the training vault is here:

VaultDoorTraining.java

(<https://jupiter.challenges.picoctf.org/static/a4a1ca9c54d8fac9404f9cbc50d9751a/VaultDoorTraining.java>)

Hint 1: The password is revealed in the program's source code.

<https://play.picoctf.org/practice/challenge/7?category=3&page=1>

Learning outcome: Text editor and Programming



You can understand what the program is doing and how it works.

Solution

1. **Inspector the file**
2. The answer is
“picoCTF{w4rm1ng_Up_w1tH_jAv4_87f5aa43e4b}”

```
VaultDoorTraining-1.java - Notepad
File Edit Format View Help
import java.util.*;

class VaultDoorTraining {
    public static void main(String args[]) {
        VaultDoorTraining vaultDoor = new VaultDoorTraining();
        Scanner scanner = new Scanner(System.in);
        System.out.print("Enter vault password: ");
        String userInput = scanner.next();
        String input = userInput.substring("picoCTF{".length(),userInput.length()-1);
        if (vaultDoor.checkPassword(input)) {
            System.out.println("Access granted.");
        } else {
            System.out.println("Access denied!");
        }
    }

    // The password is below. Is it safe to put the password in the source code?
    // What if somebody stole our source code? Then they would know what our
    // password is. Hmm... I will think of some ways to improve the security
    // on the other doors.
    //
    // -Minion #9567
    public boolean checkPassword(String password) {
        return password.equals("w4rm1ng_Up_w1tH_jAv4_be8d9806f18");
    }
}
```

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描述

您的任務是進入 Evil 博士的實驗室，並為他的“世界末日計劃”找回藍圖。實驗室由一系列上鎖的保險庫門保護。每個門均由計算機控制，需要密碼才能打開。不幸的是，我們的臥底特工無法獲得金庫門的秘密密碼，但是我們的一個初級代理商卻獲得了每個金庫計算機的源代碼！您將需要閱讀每個級別的源代碼，以了解該庫門的密碼。作為熱身，我們在培訓機構中創建了一個副本保管庫。訓練庫的原始碼在這裡：`VaultDoorTraining.java`

(<https://jupiter.challenges.picoctf.org/static/a4a1ca9c54d8fac9404f9cbc50d9751a/VaultDoorTraining.java>)

提示 1: 密碼可以在程式的原始碼中找到。

<https://play.picoctf.org/practice/challenge/7?category=3&page=1>

可以學習到: 文本編輯器 及 程式語言



可以學習程式是如何運作。

解題

1. 檢示文件
2. 所得的旗幟是：
“picoCTF{w4rm1ng_Up_w1tH_jAv4
_87f5aa43e4b}”

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