# Algorithm for file updates in Python

## Project description

An important part of cybersecurity is controlling access to restricted content. In this lab, you'll work with a text file containing IP addresses that are allowed to access specific restricted content at your organization.

Parsing a file allows security analysts to read and update the contents. Python helps analysts develop algorithms to automate the process of parsing files and keeping them up-to-date.

You'll develop an algorithm that parses this text file of IP addresses and updates the file by removing that addresses that no longer have access to the restricted content.

## Open the file that contains the allow list

with open(import\_file, "r") as file:

# Use `.read()` to read the imported file and store it in a variable named `ip\_addresses`

ip\_addresses = file.read()

## Read the file contents

## Convert the string into a list

Ip\_addresses.split()

## Iterate through the remove list & Remove IP addresses that are on the remove list

## 

for e in ip\_addresses:

If e in remove\_list:

ip\_addresses.remove(e)

## Update the file with the revised list of IP addresses

With open(import\_file, ‘w’) as f:

f.write(ip\_addresses)

## Summary

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