# Algorithm for file updates in Python

## Project description

The goal of this project is to regularly update a file that identifies employees that are allowed to access restricted content. This project uses python code to create an algorithm to determine if the allow list of IP addresses contains any IP addresses that are identified on the remove list.

## Open the file that contains the allow list

A screenshot of a computer

Description automatically generated

## Read the file contents

## A screenshot of a computer Description automatically generatedConvert the string into a list

## A screenshot of a computer Description automatically generatedIterate through the remove list

## A screenshot of a computer Description automatically generatedRemove IP addresses that are on the remove list

## A screenshot of a computer Description automatically generated

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

A screenshot of a computer program

Description automatically generated

## Summary

Several functions can be utilized to create an algorithm that solves a problem. Creating algorithms in python is very beneficial in automating several cybersecurity tasks in order to make things more efficient to save time and money.