

Algorithm for file updates in Python

Project description

Create an algorithm in python to check whether ip addresses found on the allow list are also found on the remove list and remove those addresses from the allow list.

Open the file that contains the allow list

```
with open("allow_list.txt", "r") as file:
```

Read the file contents

```
ip_addresses = file.read()
```

Convert the string into a list

```
ip_addresses = ip_addresses.split()
```

Iterate through the remove list

```
for element in remove_list:
```

Remove IP addresses that are on the remove list

```
    if element in ip_addresses:  
        ip_addresses.remove(element)
```

Update the file with the revised list of IP addresses

```
ip_addresses = "\n".join(ip_addresses)  
with open(import_file, "w") as file:  
    file.write(ip_addresses)
```

Summary

This python file first opens a text file containing a list of allowed ip addresses and saves the object to a file. The contents of the file are then converted into strings and then converted into a list. A for loop iterates through each element of a list of ip addresses that should be removed

from the allow list and compares each address of the remove list to the allow list. If any match, the address is removed from the allow list. The file is then updated by being rewritten with the correct allowed ip addresses.