Algorithm for file updates in Python

Project description

A Python algorithm to scan an allow list of IP addresses against a remove list. If an IP address appears on both lists, remove it from the allow list. This ensures that only authorized individuals with valid IP addresses can access restricted patient records.

Open the file that contains the allow list

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

Read the file contents

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

```
for element in 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)
```