Algorithm for file updates in Python

Project description

We are going to use Python to edit a file that contains allowed IP_addresses called `allow_list.txt` by removing a couple entries defined later in the remove_list variable

Open the file that contains the allow list

```
# assign name to variable

import_file = "allow_list.txt"

#open file for reading
with open(import_file,"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

```
#some ip addresses to remove
remove_list = ["192.168.97.225", "192.168.158.170", "192.168.201.40",
"192.168.58.57"]

for element in remove_list:
```

Remove IP addresses that are on the remove list

```
    ip_addresses.remove(element)

#convert back to string
Ip_addresses = " ".join(ip_addresses)
```

Update the file with the revised list of IP addresses

```
with open(import_file,"w") as file:
    file.write(ip_addresses)
```

Summary

The `allow_list.txt` has been successfully updated by deleting the couple addresses in remove_list. Personally, I would have kept a backup and a log on who changed it.