Вкладка 1

# Algorithm for file updates in Python

## Project description

[Describe the scenario in your own words.]

## Open the file that contains the allow list

important\_file = **"allow\_list.txt"**

**with open(**important\_file , “r”**) as file:**

## Read the file contents

important\_file = **"allow\_list.txt"**

**with open(**important\_file , “r”**) as file:**

**Ip\_addresses = file.read()**

## Convert the string into a list

important\_file = **"allow\_list.txt"**

**with open(**important\_file , “r”**) as file:**

**Ip\_addresses = file.read().split()**

## Iterate through the remove list

important\_file = **"allow\_list.txt"**

**Ip\_addresses=””**

**with open(**important\_file , “r”**) as file:**

**Ip\_addresses = file.read().split()**

**For element in remove\_list:**

## Remove IP addresses that are on the remove list

important\_file = **"allow\_list.txt"**

**Ip\_addresses=””**

**with open(**important\_file , “r”**) as file:**

**Ip\_addresses = file.read().split()**

**For element in remove\_list:**

**If element in Ip\_addresses:**

**ip\_addresses.remove(element)**

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

important\_file = **"allow\_list.txt"**

**Ip\_addresses=””**

**with open(**important\_file , “r”**) as file:**

**Ip\_addresses = file.read().split()**

**For element in remove\_list:**

**If element in Ip\_addresses:**

**ip\_addresses.remove(element)**

**With open(**important\_file, “w”**) as file:**

**file.write(Ip\_addresses.join(“\n”))**

## Summary

We worked with file on Python and we removed IP addresses form the file.