**Algorithm for file updates in Python**

Project description

I am a security professional working at a local medical center, and I have been tasked to update a file so that employees can have access to restricted files. The files are HIPPA related or patient personal data.

I have been given IP addresses of those that are on the allowed list and remove list.

#**Open the file that contains the allow list**

import\_file = “allow\_list.txt”

with open(import\_file, "r") as file:

**#Read the file contents**

ip\_addresses = file.read()

**#Convert the string into a list**

ip\_addresses\_list = 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)