package PhoneBookIgorLanger;

import java.io.BufferedReader;

import java.io.FileReader;

import java.io.IOException;

import java.util.Arrays;

import java.util.Collections;

import java.util.List;

import java.util.Map;

import java.util.regex.Matcher;

import java.util.regex.Pattern;

import static PhoneBookIgorLanger.Main.PatchToFile;

public class LoadContactsFromFile {

/\*\*

\* This is a function that loads the data from an external file.

\* During the process, the integrity of the file is also checked

\*/

public static void loadContactsFromFile(Map<String, List<String>> contacts) {

try (BufferedReader reader = new BufferedReader(new FileReader(PatchToFile))) {

Pattern pattern = Pattern.compile("^([^,\"]{4,30}),\"([0-9+, ]+)\"$");

while (true) {

String line = reader.readLine();

if (line == null) {

break;

}

Matcher matcher = pattern.matcher(line);

if (matcher.find()) {

String[] numbers = matcher.group(2).split(",\\s\*");

contacts.put(matcher.group(1), Arrays.asList(numbers));

}

}

} catch (IOException ioex) {

System.err.println("Could not load contacts, phone book is empty!");

}

}

}