Third party implementation 2 - @hungchiayu

1. Testing: sending different csv files as arguments to the program and checking if output is correct

Bugs found:

1. The program does not give correct output if entries in 2 files are same, but order is different.

I shifted an entry at line3 to the end of the csv file. The program will consider all entries from line3 onwards as mismatches.

Text

Description automatically generatedIn sample\_file\_1: shift entry ID3 to the end of file

Expected output: The output\_csv file should have the same number of mismatches as before, as only order of entries is changed in sample\_file\_1.csv

Actual output: The output\_csv file lists all entries of sample\_file\_1.csv after line 3. Total entries in output\_csv file = 1996, expected: 6.

1. Program does not consider mismatches if 2 csv files have different lengths.

I removed entries 997 to 1000 from sample\_file\_1.csv. The program will only write ID997 to output\_csv

Expected output: ID997, ID998, ID999, ID1000 are added to output\_csv file since sample\_file\_1 does not contain the entries

Text

Description automatically generatedActual output screenshot:

1. Testing: Use Fuzzer.java from my code to send inputs generated from fuzzer to WriteOutput()function

Bugs found:

1. WriteOutput() accepts all lengths of input filepath and content. I sent fuzzed inputs of varying string lengths that were accepted by the function and did not throw any error:

Text

Description automatically generated



Program executes successfully

Fuzzed inputs sent into function