

404 Group Not Found

Nathan Hamilton
Matthew Hopkins
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TEAM

Nate
Preston
Colton

CODE

Java

1. Able to specify a directory for input file as long as directory ends with .txt (confirmed)

```
Correct! That is your password
The file must be where ever the program is installed. If no file exist, one will be created for you.
Enter a input file name that ends with .txt, is only letters, and is less then 12 characters:
dir.txt
The file must be where ever the program is installed. If no file exist, one will be created for you.
Enter a output file name that ends with .txt, is only letters, and is less then 12 characters:
goodOutput.txt
Saving your data to goodOutput.txt Later :)
```

2. Able to specify a directory for output file as long as drectory ends with .txt (confirmed)

```
The file must be where ever the program is installed. If no file exist, one will be created for you.
Enter a input file name that ends with .txt, is only letters, and is less then 12 characters:
goodInput.txt
The file must be where ever the program is installed. If no file exist, one will be created for you.
Enter a output file name that ends with .txt, is only letters, and is less then 12 characters:
dir.txt
Saving your data to dir.txt Later :)
```

3. 820mb input file crashes the program (confirmed)

```
The file must be where ever the program is installed. If no file exist, one will be created for you.
Enter a input file name that ends with .txt, is only letters, and is less then 12 characters:
tooBig.txt
The file must be where ever the program is installed. If no file exist, one will be created for you.
Enter a output file name that ends with .txt, is only letters, and is less then 12 characters:
goodOutput.txt
Saving your data to goodOutput.txt Later :)
Exception in thread "main" java.lang.OutOfMemoryError: Java heap space
    at java.nio.HeapCharBuffer.<init>(HeapCharBuffer.java:57)
    at java.nio.CharBuffer.allocate(CharBuffer.java:335)
    at java.util.Scanner.makeSpace(Scanner.java:840)
    at java.util.Scanner.readInput(Scanner.java:795)
    at java.util.Scanner.findWithinHorizon(Scanner.java:1685)
    at java.util.Scanner.hasNextLine(Scanner.java:1500)
    at main.defender.Prompts.writeContentsToFile(Prompts.java:224)
    at main.defender.Menu.main(Menu.java:42)
```

CODE

C

4. A non-matching password is accepted (confirmed)

```
Enter a password: password
Enter your password: password1
nhamilton@ubuntu:~/Documents/cscd437/cscd437homework7$
```

5. Able to specify a directory for input file so long as it ends in .txt (confirmed)

Causes the program to stall at the end

```
Enter your first name: Nathan
Enter your last name: Hamilton
Enter a number: 123
Enter another number: 456
Enter your input .txt file: dir.txt
Enter your output .txt file: goodOutput.txt
Enter a password: password
Enter your password: password

^C
nhamilton@ubuntu:~/Documents/cscd437/cscd437homework7$
```

6. Able to specify hash.txt as input file (confirmed)

```
Enter your input .txt file: hash.txt
Enter your output .txt file: goodOutput.txt
Enter a password: password
Enter your password: password
nhamilton@ubuntu:~/Documents/cscd437/cscd437homework7$
```

7. Redirecting an empty file causes an infinite loop (confirmed)

`./a.out < emptyInput.txt`

```
first name: Enter your first name: Enter your first name: Enter your first name:
Enter your first name: Enter your first name: Enter your first name: Enter your
first name: Enter your first name: Enter your first name: Enter your first name:
Enter your first name: Enter your first name: Enter your first name: Enter your
first name: Enter your first name: Enter your first name: Enter your first name
: Enter your first name: Enter your first name: Enter your first name: Enter you
r first name: Enter your first name: Enter your first name: Enter your first nam
e: Enter your first name: Enter your first name: Enter your first name: Enter yo
ur first name: Enter your first name: Enter your first name: Enter your first na
me: Enter your first name: Enter your first name: Enter your first name: Enter y
our first name: Enter your first name: Enter your first name: Enter your first n
ame: Enter your first name: Enter your first name: Enter your first name: Enter
your first name: Enter your first name: Enter your first name: Enter your first
name: Enter your first name: Enter your first name: Enter your first name: Enter
your first name: Enter your first name: Enter your first name: Enter your first
name: Enter your first name: Enter your first name: Enter your first name: Ente
r your first name: Enter your first name: Enter your first name: Enter your fir
st name: Enter your first name: Enter your first name: Enter your first name: Ent
er your first name: Enter your first name: Enter your first name: Enter your fir
st name: Enter your first name: Enter your first name: Enter yo^C
nhamilton@ubuntu:~/Documents/cscd437/cscd437homework7$
```

TEAM

Super Stack Smash Bros

CODE

Java

8. 820mb input file crashes the program (confirmed)

```
Please enter the name of a text file to read from, with extension of txt or text.
The file must be within the same directory as this program (so no path info, just the filename)
The file name must be between 1-50 alphabetic characters, not including the file extension.
tooBig.txt
Error reading from file tooBig.txt
Exception in thread "main" java.lang.OutOfMemoryError: Java heap space
    at java.util.Arrays.copyOf(Arrays.java:3332)
    at java.lang.AbstractStringBuilder.ensureCapacityInternal(AbstractStringBuilder.java:124)
    at java.lang.AbstractStringBuilder.append(AbstractStringBuilder.java:596)
    at java.lang.StringBuffer.append(StringBuffer.java:367)
    at java.io.BufferedReader.readLine(BufferedReader.java:370)
    at java.io.BufferedReader.readLine(BufferedReader.java:389)
    at java.nio.file.Files.readAllLines(Files.java:3205)
    at java.nio.file.Files.readAllLines(Files.java:3242)
    at Defend_Main.readFile(Defend_Main.java:310)
    at Defend_Main.main(Defend_Main.java:79)
```

TEAM

Stack Smashers

Code

C

9. Due to prior tests with entering nothing but new line in the name and number sections, when coming to the password section, I was unable to enter a password. The program continued as if I had entered 23. I assume this is due to improper handling of new line characters on the input buffer. (confirmed)

```
nhamilton@ubuntu:~/Documents/cscd437/cscd437homework7$ ./M
Please enter in a first name. No spaces, numbers, punctuation:
Please enter in a last name. No spaces, numbers, punctuation:
Please enter in a first name. No spaces, numbers, punctuation:
Please enter in a last name. No spaces, numbers, punctuation: Hamilton
Please enter in a first name. No spaces, numbers, punctuation:
Please enter in a last name. No spaces, numbers, punctuation:
Please enter in a first name. No spaces, numbers, punctuation:
Please enter in a last name. No spaces, numbers, punctuation:
Please enter in a first name. No spaces, numbers, punctuation: Nathan
Please enter in a last name. No spaces, numbers, punctuation: Hamilton
The input was good
Enter in a positive or negative integer: -123456789123
Enter in a positive or negative integer: 123
Enter in a positive or negative integer:
Enter in a positive or negative integer: 00000000000123
Please enter in a file name: goodInput.txt
The input was good
The file was opened
Please enter in a file name: goodOutput.txt
The input was good
The file was opened
Please enter a password less than or equal to 50 characters: You entered 23
23 is a valid password
Please reenter your password: 23
You entered 23
```

10. Redirecting an empty input file causes an infinite loop (confirmed)

[illegible]

TEAM

Howtoeatfriedworms

CODE

Java

11. Able to specify a directory for input so long as it ends in .txt (confirmed)

```
1 package cscd437.assignment6;
2
3 //Contributors: Travis Currier, Ben Brougher, Daylyn Ho
4
5 import java.io.BufferedReader;
6 import java.io.BufferedWriter;
7 import java.io.File;
8 import java.io.FileReader;
9 import java.io.FileWriter;
10 import java.io.PrintWriter;
11 import java.io.IOException;
```

defenseAssignment.java App.java input.txt

Compile Messages jGRASP Messages Run I/O Interactions

End

Clear

Help

```

>>> Please input the name of an existing .txt file
>>> in.txt
>>> Please input a name of a non-existing .txt file
>>> alpha.txt
>>> Please input a password of the following format
>>> 1
>>> Please input the password again:
>>> 1
>>> The password matches
>>> Error with password storage.
>>> ----jGRASP: operation complete.
>>>

```

CODE

C

12. Redirecting an empty input file causes the program to not accept any input (confirmed)

```
trees@trees-VirtualBox:~/Documents/DefendYourCodeC$ ls
dyc      help.txt      main.c main.o      password_storage.txt well.txt
hello.txt installDeps.sh main.h makefile testinput.txt
trees@trees-VirtualBox:~/Documents/DefendYourCodeC$ ./dyc < help.txt
Please input your first name
(Valid characters are upper and lower case letters and hyphens. Limited to 1 to
50 characters, more will be truncated):
hello
this
isn't
accepting
input
```

13. Hyphens are not accepted in name input, despite specifying they are acceptable (confirmed)

```
dyc      help.txt      main.c main.o      password_storage.txt well.txt
hello.txt installDeps.sh main.h makefile testinput.txt
trees@trees-VirtualBox:~/Documents/DefendYourCodeC$ ./dyc
Please input your first name
(Valid characters are upper and lower case letters and hyphens. Limited to 1 to
50 characters, more will be truncated):
-
Invalid input. Please input your first name
(Valid characters are upper and lower case letters and hyphens. Limited to 1 to
50 characters, more will be truncated):
-
Invalid input. Please input your first name
(Valid characters are upper and lower case letters and hyphens. Limited to 1 to
50 characters, more will be truncated):
Low-
Invalid input. Please input your first name
(Valid characters are upper and lower case letters and hyphens. Limited to 1 to
50 characters, more will be truncated):
Low-l
Invalid input. Please input your first name
(Valid characters are upper and lower case letters and hyphens. Limited to 1 to
50 characters, more will be truncated):
Low-eve
Invalid input. Please input your first name
(Valid characters are upper and lower case letters and hyphens. Limited to 1 to
50 characters, more will be truncated):
Low
Please input your first name
```

14. Able to specify a directory for input so long as it ends in .txt (confirmed)

```
3
Please input the name of an existing .txt file in the current directory. The name must be less than 50 characters and more than 1
help.txt
Please input a name of a non-existing .txt file to write to in the current directory. The name must be less than 50 characters and more than 1
help.txt
Error. Please retry file input. Please input a name of a non-existing .txt file to write to in the current directory. The name must be less than 50 characters and more than 1
lol.txt
Please input a password of the following format. It may contain, 1-255 characters, A-Z upper or lower case, 0-9, and special characters(-_+=!@#$%^&*()):
+
Please input the password again:
+
The passwords match!
trees@trees-VirtualBox:~/Documents/DefendYourCodeC$ ls
dyc      installDeps.sh main.h password_storage.txt
hello.txt lol.txt      main.o testinput.txt
help.txt main.c      makefile well.txt
trees@trees-VirtualBox:~/Documents/DefendYourCodeC$ gedit lol.txt
trees@trees-VirtualBox:~/Documents/DefendYourCodeC$
```


Hung
Matthew

C

```
trees@trees-VirtualBox:~/hello.txt/Assignment 6 - Team - Defend Your Code/C-Implementation$ ls
asdf.txt          hello.txt    main.c       myUtils.h    out.txt      sha256.h
cmake-build-debug in.txt      Makefile     myUtils.o    password.txt virus.txt
error.txt         main        myUtils.c    output.txt   sha256.c
trees@trees-VirtualBox:~/hello.txt/Assignment 6 - Team - Defend Your Code/C-Implementation$ ./main < virus.txt
Enter First name (Between 1 to 50 characters. ONLY accepting letters)
f
f
f
f
f
f
f
f
f
f
```

```

Enter First Integer (Only digits between -2147483648 to 2147483647)
Num1: 3000000000

Enter Second Integer (Only digits between -2147483648 to 2147483647)
Num2: 3000000000

Enter name of text Input file in this directory (Up to 50 characters. Accepting
ONLY .txt files AND ONLY letters and numbers)
Input File: virus.txt

Enter name of text output file in this directory (Name of file (ignoring extens
ion) must be no larger than 50 characters. Accepting ONLY .txt files AND ONLY l
etters and numbers.)
Output File: output.txt

Enter a password (ONLY Letters and Numbers, Max size of 10)
Password #1: P3
Enter the second password (ONLY Letters and Numbers, Max size of 10)
Password #2: P3
Segmentation fault (core dumped)

```

17. Able to specify a directory for input and output as long as it ends with .txt (confirmed)

```
Enter First Integer (Only digits between -2147483648 to 2147483647)
Num1: 3000000000

Enter Second Integer (Only digits between -2147483648 to 2147483647)
Num2: 3000000000

Enter name of text Input file in this directory (Up to 50 characters. Accepting
ONLY .txt files AND ONLY letters and numbers)
Input File: virus.txt

Enter name of text output file in this directory (Name of file (ignoring extens
ion) must be no larger than 50 characters. Accepting ONLY .txt files AND ONLY l
etters and numbers.)
Output File: output.txt

Enter a password (ONLY Letters and Numbers, Max size of 10)
Password #1: P3
Enter the second password (ONLY Letters and Numbers, Max size of 10)
Password #2: P3
Segmentation fault (core dumped)
```

TEAM

Worked on My Machine...

CODE

C

18. Able to specify a directory for input as long as it ends with .txt (confirmed)
Causes a seg fault at the end

```
Please enter another Integer: 0000003
Please enter input file name (input '.txt' file must be in folder 'input_files'
, which must be in same directory as the C executable).
File name must be less than 255 characters, and may include a-z, A-Z, 0-9, and
_
Filename: in.txt
Please enter output file name (type: '.txt').
File name must be less than 255 characters, and may include a-z, A-Z, 0-9, and
_
Filename: out.txt

Please enter a Password that is between 10 and 50 characters long, may include
a-z, A-Z, 0-9, and _! as
Not a valid match!
Please enter a valid password: asdfjklasdfjkl

Enter your password again: asdfjklasdfjkl
Passwords do not match!

Enter your password again: asdfjklasdfjkl
Passwords match!
Segmentation fault (core dumped)
trees@trees-VirtualBox:~/Downloads/C$ ls
a.out input_files in.txt out.txt out.txt pass.txt README.txt WORK.c
trees@trees-VirtualBox:~/Downloads/C$ cd input_files
trees@trees-VirtualBox:~/Downloads/C/input_files$ ls
asd.txt in.txt out.txt out.txt
trees@trees-VirtualBox:~/Downloads/C/input_files$
```


19. Able to specify a directory for output as long as it ends with .txt (confirmed)

```
asd.txt in.txt outp.txt out.txt
trees@trees-VirtualBox:~/Downloads/C/input_files$ cd ..
trees@trees-VirtualBox:~/Downloads/C$ ./a.out
Please enter first name (no more than 50 characters, A-Z, a-z, ', -): fo,
Not a valid match!
Please enter name: fo'
Please enter last name (no more than 50 characters, A-Z, a-z, ', -): re'
Please enter an integer: 3000000000
Integer is out of range of max or min int size!
Please enter a valid int: 30
Please enter another integer: 30
Please enter input file name (input '.txt' file must be in folder 'input_file
, which must be in same directory as the C executable).
File name must be less than 255 characters, and may include a-z, A-Z, 0-9, an
_
Filename: in.txt
Please enter output file name (type: '.txt').
File name must be less than 255 characters, and may include a-z, A-Z, 0-9, an
_
Filename: out.txt

Please enter a Password that is between 10 and 50 characters long, may includ
a-z, A-Z, 0-9, and _: asdfjklasdfjkl

Enter your password again: asdfjklasdfjkl
Passwords match!
Segmentation fault (core dumped)
trees@trees-VirtualBox:~/Downloads/C$
```

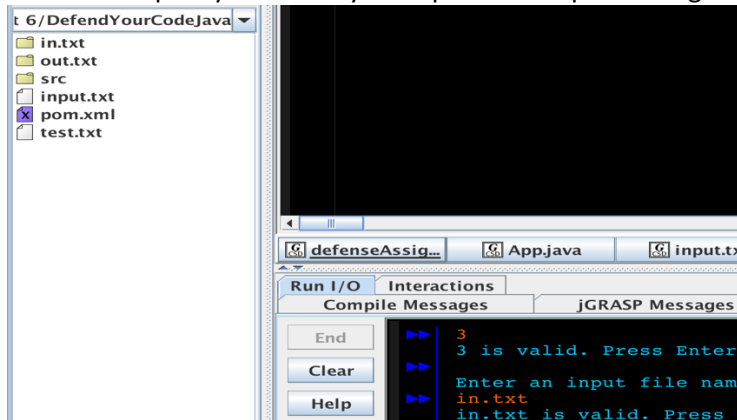
20. Redirecting an empty input file causes an infinite loop (confirmed)

[illegible]

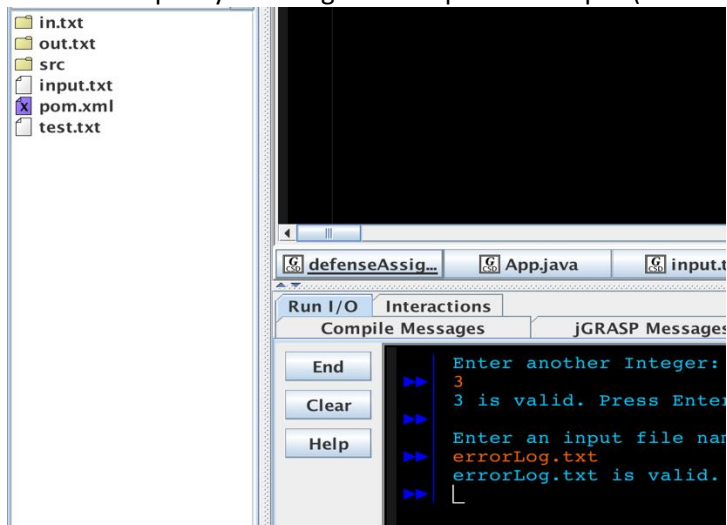
CODE

Java

21. Able to specify a directory for input and output as long as it ends with .txt (confirmed)



22. Able to specify errorLog.txt for input and output (confirmed)



TEAM

Short Circuits (All exploits unconfirmed – team never responded to email sent on Dec. 5)

CODE

Java

23. Numbers outside the specified range are allowed

```
Now we need a first integer.  
Provide a valid integer (Must be within the size range of an int.(-2,000,000,000 to 2,000,000,000))  
  
Enter it here: -2000000111  
Now we need a second integer.  
Provide a valid integer (Must be within the size range of an int.(-2,000,000,000 to 2,000,000,000))  
  
Enter it here: 2000000111  
Please provide a valid input file name. (filename followed by .txt file filename can include alphabe
```

24. Able to specify password hash storing file as input

```
Enter it here: hashandsalt.txt
Please provide a valid output file name. (filename followed by .txt file filename)
This program will not allow you to overwrite an existing file.
The file name cannot exceed 50 characters.)

Enter it here: out.txt
File is created!
Please provide a password that is AT LEAST 10 characters in length (at most 50),

Enter it here: Password1!
Input is correct.
Now reenter the password you just entered:
Password1!
Password Matches!
Printing output to out.txt
```

25. 820mb input file causes program to crash

```
Printing output to out.txt
Exception in thread "main" java.lang.OutOfMemoryError: Java heap space
  at java.util.Arrays.copyOf(Arrays.java:3332)
  at java.lang.AbstractStringBuilder.ensureCapacityInternal(AbstractStringBuilder.java:124)
  at java.lang.AbstractStringBuilder.append(AbstractStringBuilder.java:596)
  at java.lang.StringBuffer.append(StringBuffer.java:367)
  at java.io.BufferedReader.readLine(BufferedReader.java:370)
  at java.io.BufferedReader.readLine(BufferedReader.java:389)
  at UserTester.writeFile(UserTester.java:81)
  at UserTester.main(UserTester.java:62)
```

CODE

C

26. Non-alphabetic characters in names are allowed

```
nhamilton@ubuntu:~/Documents/cscd437/cscd437homework7$ ./a.out
Please enter your first name:
Please provide the name. First or last name cannot exceed 50 characters, have any periods, commas or symbols.
Only uppercase or lowercase USA alphabet letters.

Enter it here: Nathan-
You are inside setPrompt and just entered: Nathan-
First name tooked!
Please enter your last name:
Please provide the name. First or last name cannot exceed 50 characters, have any periods, commas or symbols.
Only uppercase or lowercase USA alphabet letters.

Enter it here: Hamilton;
You are inside setPrompt and just entered: Hamilton;
```

27. Able to specify a directory for input and output file if it ends in .txt
Causes the program to stall at the end

```
Enter the name of the input file:
Please provide a valind input file name. (The file has to be
Also, file name cannot be more than 30 characters in length,

    Enter it here: dir.txt

You are inside setPrompt and just entered: dir.txt

Enter the name of the output file:
Please provide an output file name.
The ouput File name cannot be more than 30 characters in leng
'.txt'

    Enter it here: goodOutput.txt

You are inside setPrompt and just entered: goodOutput.txt

Enter a password:
Please provide a password that is AT LEAST 10 characters in l

    Enter it here: Password12

You are inside setPrompt and just entered: Password12

Salt t8jhfhkm7bu

Trash
untu:~/Documents/cscd437/cscd437homework7$
```

28. After hitting enter, the next name will not be accepted

Probably because the new line character was not stripped from the input buffer

```
Please enter your first name:
Please provide the name. First or last name cannot exceed 50
Only uppercase or lowercase USA alphabet letters.

Enter it here:

You are inside setPrompt and just entered:

Nice try. Hitting enter doesn't work. Try again.
Name provided didn't match the rules. Please try again.
Please provide the name. First or last name cannot exceed 50
Only uppercase or lowercase USA alphabet letters.

Enter it here: Nathan

You are inside setPrompt and just entered: Nathan

Name provided didn't match the rules. Please try again.
Please provide the name. First or last name cannot exceed 50
Only uppercase or lowercase USA alphabet letters.

Enter it here: █
```

29. Number is not accepted if it has multiple preceding 0s

```
Enter your first integer:
Provide a valid integer (Must be within the size range of an
int)

Enter it here: 000000000000000123

You are inside setPrompt and just entered: 000000000000000123

That was not a valid integer. Please try again.
Provide a valid integer (Must be within the size range of an
int)

Enter it here:
```


30. Able to specify files in other directories with relative path

```
Please provide a valid input file name. (The file has to be in the same directory and must end in '.txt')
Also, file name cannot be more than 30 characters in length, permitting only capital, lowercase, '_' and '-'

Enter it here: ../input.txt

You are inside setPrompt and just entered: ../input.txt

Enter the name of the output file:
Please provide an output file name.
The output File name cannot be more than 30 characters in length, permitting only capital, lowercase, '_' and '-'

Enter it here: goodOutput.txt

You are inside setPrompt and just entered: goodOutput.txt
```

31. Able to specify password file for input/output

```
Please provide a valid input file name. (The file has to be in the same directory and must end in '.txt')
Also, file name cannot be more than 30 characters in length, permitting only capital, lowercase, '_' and '-'

Enter it here: hashandsalt.txt

You are inside setPrompt and just entered: hashandsalt.txt

Enter the name of the output file:
Please provide an output file name.
The output File name cannot be more than 30 characters in length, permitting only capital, lowercase, '_' and '-'

Enter it here: goodOutput.txt

You are inside setPrompt and just entered: goodOutput.txt
```

32. Redirecting an empty file for input causes an infinite loop

```
Enter it here:
You are inside setPrompt and just entered:
Name provided didn't match the rules. Please try again.
Please provide the name. First or last name cannot exceed
Only uppercase or lowercase USA alphabet letters.

Enter it here:
You are inside setPrompt and just entered:
Nice try. Hitting enter doesn't work. Try again.
Name provided didn't match the rules. Please try again.
Please provide the name. First or last name cannot exceed
Only uppercase or lowercase USA alphabet letters.

Enter it here:
You are inside setPrompt and just entered:
Name provided didn't match the rules. Please try again.
Please provide the name. First or last name cannot exceed
Only uppercase or lowercase USA alphabet letters.

Enter it here:
You are inside setPrompt and just entered:
Nice try. Hitting enter doesn't work. Try again.
Name provided didn't match the rules. Please try again.
Please provide the name. First or last name cannot exceed
Only uppercase or lowercase USA alphabet letters.

Enter it here:
You are inside setPrompt and just entered:
Name provided didn't match the rules. Please try again.
Please provide the name. First or last name cannot exceed
Only uppercase or lowercase USA alphabet letters.

Enter it here:
You are inside setPrompt and just entered:
Nice try. ^C
nhamilton@ubuntu:~/Documents/cscd437/cscd437homework7$
```

TEAM

Angry Nerds

CODE

C

33. Redirecting an empty input file causes the program to not accept any input (confirmed)

```
Please enter your password (50c limit, at least 3 from A-Z a-z 0-9 . , ? !)  
: asdfe392  
  
Please enter your password to validate  
: asdfe392  
trees@trees-VirtualBox:~/kols/AngryNerds-hw6/c$ ./main < in.txt
```

34. Able to specify files in other directories with relative path. (Unconfirmed – Team does not agree with this due to it not being specified in the writeup. Dispute email has been sent to Tom but due to it being 8pm on Dec. 6, we have decided to add it anyway. A final decision can be made while grading if needed.)

```
Enter an integer: (-2147483648 to 2147483647, digits only with optional leading - sign) : 3  
  
Enter another integer to add to and multiply by the first integer: (-2147483648 to 2147483647, digits only with optional leading - sign) : 3  
  
Input file (readable regular file that already exists) : ../asdf  
  
Output file (does not already exist, path does and must be writable) : out.txt  
out.txt: File exists  
  
Output file (does not already exist, path does and must be writable) : asdf  
  
Please enter your password (50c limit, at least 3 from A-Z a-z 0-9 . , ? !)  
: sas3  
  
Please enter your password to validate: : sas3  
trees@trees-VirtualBox:~/kols/AngryNerds-hw6/c$
```

TEAM

Artem

Gabe

Michael (Both exploits unconfirmed – confirmation email was sent late, around 8pm on Dec. 6, and team did not get back to us)

CODE

C

35. Redirecting an empty input file causes an infinite loop

[illegible]

36. Able to specify directory for input/output file as long as it ends in .txt

```
trees@trees-VirtualBox:~/mike/C$ ls
CodeDefend CodeDefend.c hash.txt includes.h in.txt out.txt
trees@trees-VirtualBox:~/mike/C$ ./CodeDefend
Enter your First and Last name: Forrest Wallace
Enter an integer: 3
Enter an integer: 3
Enter an input file name: in.txt
Enter an output file name: in.txt
Output file can't be the same as the input file.
Enter an output file name: out.txt
Create a password:
forrestWallace1
Re-enter password for verification:
forrestWallace1
Password accepted.
trees@trees-VirtualBox:~/mike/C$ ls
CodeDefend CodeDefend.c hash.txt includes.h in.txt out.txt
trees@trees-VirtualBox:~/mike/C$
```

TOTAL

Confirmed: 23

Unconfirmed: 13

Overall: 36

TEAM

404 Group Not Found

These are all confirmed exploits with our code sent to us via email.

CODE

Java

1. Files are not restricted to the current directory
2. Escaped characters in filenames are not handled properly
3. First letter of each name does not have to be capital, despite saying so
4. Password does not allow punctuation outside of [!?.]
5. Numbers do not allow preceding +.
6. Numbers do not allow multiple preceding 0s.
7. Input/output can be password file.
8. Input/output can be error log file.
9. Password does not have a max length
10. Very large file for input crashes the program.
11. Very long filenames crash the program

CODE

C

12. Number input allows certain non-digit characters to be accepted (ex. "12e")
13. Empty file redirection causes the program to crash
14. Directory named (anything).txt for the input file crashes the program
15. Name input allows for consecutive special characters
16. Input/output can be the same
17. Files not restricted to the current directory

TOTAL

Confirmed: 17
Unconfirmed: 0
Total: 17

Thank you, Tom and Josie, for such a great class! Happy holidays to you both!