

Test cases for C# solution. Above each picture are the tested inputs in the same order they appear in the picture.

Name:

First name and last name are handled identically, so they are not tested separately here.

- [illegible]

[illegible]

- Valid
 - a (min length)
 - aa (max length)
 - Alice-Bob (valid length and chars general)

```
Name:
First name:
Enter 1 to 50 characters.
Uppercase and lowercase latin letters, apostrophes, and hyphens are allowed:
a

Last name:
Enter 1 to 50 characters.
Uppercase and lowercase latin letters, apostrophes, and hyphens are allowed:
aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa

2 integers:
```

```
Name:
First name:
Enter 1 to 50 characters.
Uppercase and lowercase latin letters, apostrophes, and hyphens are allowed:
Alice-Bob

Last name:
```

Ints:

- Invalid
 - EOT
 - Empty
 - 123a (invalid chars)
 - 12,345 (invalid chars comma)
 - 123 123 (multiple matches)
 - aa123bb (regex start and end anchors)
 - 123 (extra whitespace)
 - -2147483649 (below min value)
 - 2147483648 (above max value)

```
2 integers:
First integer:
Enter one integer in the range [-2147483648, 2147483647].
The integer can include a sign (+ or -) and cannot include commas:
^Z

Invalid input. Try again.

Enter one integer in the range [-2147483648, 2147483647].
The integer can include a sign (+ or -) and cannot include commas:

Invalid input. Try again.

Enter one integer in the range [-2147483648, 2147483647].
The integer can include a sign (+ or -) and cannot include commas:
123a

Invalid input. Try again.

Enter one integer in the range [-2147483648, 2147483647].
The integer can include a sign (+ or -) and cannot include commas:
12,345

Invalid input. Try again.

Enter one integer in the range [-2147483648, 2147483647].
The integer can include a sign (+ or -) and cannot include commas:
123 123

Invalid input. Try again.

Enter one integer in the range [-2147483648, 2147483647].
The integer can include a sign (+ or -) and cannot include commas:
aa123bb

Invalid input. Try again.

Enter one integer in the range [-2147483648, 2147483647].
The integer can include a sign (+ or -) and cannot include commas:
    123

Second integer:
Enter one integer in the range [-2147483648, 2147483647].
The integer can include a sign (+ or -) and cannot include commas:
-2147483649

Invalid input. Try again.

Enter one integer in the range [-2147483648, 2147483647].
```

```
Enter one integer in the range [-2147483648, 2147483647].
The integer can include a sign (+ or -) and cannot include commas:
2147483648
```

```
Invalid input. Try again.
```

```
Enter one integer in the range [-2147483648, 2147483647].
The integer can include a sign (+ or -) and cannot include commas:
```

- Valid
 - -2147483648 (min value)
 - 2147483647 (max value)
 - 0 (zero)
 - +0 (positive zero)
 - -0 (negative zero)
 - 0019 (leading zeros)
 - 30380 (positive general)
 - -25740 (negative general)

```
2 integers:
First integer:
Enter one integer in the range [-2147483648, 2147483647].
The integer can include a sign (+ or -) and cannot include commas:
-2147483648

Second integer:
Enter one integer in the range [-2147483648, 2147483647].
The integer can include a sign (+ or -) and cannot include commas:
2147483647

Name of an existing input file of at most 130048 bytes to read from:
```

```
2 integers:
First integer:
Enter one integer in the range [-2147483648, 2147483647].
The integer can include a sign (+ or -) and cannot include commas:
0

Second integer:
Enter one integer in the range [-2147483648, 2147483647].
The integer can include a sign (+ or -) and cannot include commas:
+0

Name of an existing input file of at most 130048 bytes to read from:
Enter the name of a plain text file in the current directory:
```

```

2 integers:
First integer:
Enter one integer in the range [-2147483648, 2147483647].
The integer can include a sign (+ or -) and cannot include commas:
-0

Second integer:
Enter one integer in the range [-2147483648, 2147483647].
The integer can include a sign (+ or -) and cannot include commas:
0019

Name of an existing input file of at most 130048 bytes to read from:

```

```

2 integers:
First integer:
Enter one integer in the range [-2147483648, 2147483647].
The integer can include a sign (+ or -) and cannot include commas:
30380

Second integer:
Enter one integer in the range [-2147483648, 2147483647].
The integer can include a sign (+ or -) and cannot include commas:
-25740

Name of an existing input file of at most 130048 bytes to read from:

```

Sum and Product:

- Invalid
 - None (ints are already individually validated, and no overflow occurs)
- Valid
 - 123 and 0 (add and multiply nonzero and zero)
 - 0 and 123 (add and multiply zero and nonzero)
 - 0 and 0 (add and multiply both zero)
 - -2147483648 and -2147483648 (add and multiply both most negative)
 - 2147483647 and 2147483647 (add and multiply both most positive)
 - 2147483647 and -2147483648 (add and multiply most positive and most negative)
 - -2147483648 and 2147483647 (add and multiply most negative and most positive)
 - 123 and -456 (add and multiply positive and negative general)
 - -123 and 456 (add and multiply negative and positive general)
 - 123 and 456 (add and multiply positive and positive general)
 - -123 and -456 (add and multiply negative and negative general)

First integer: 123	First integer: 0	First integer: 0	First integer: -2147483648
Second integer: 0	Second integer: 123	Second integer: 0	Second integer: -2147483648
Sum: 123	Sum: 123	Sum: 0	Sum: -4294967296
Product: 0	Product: 0	Product: 0	Product: 4611686018427387904

First integer: 2147483647	First integer: 2147483647	First integer: -2147483648
Second integer: 2147483647	Second integer: -2147483648	Second integer: 2147483647
Sum: 4294967294	Sum: -1	Sum: -1
Product: 4611686014132420609	Product: -4611686016279904256	Product: -4611686016279904256

First integer: 123	First integer: -456	First integer: 123	First integer: -123
Second integer: -456	Second integer: 123	Second integer: 456	Second integer: -456
Sum: -333	Sum: -333	Sum: 579	Sum: -579
Product: -56088	Product: -56088	Product: 56088	Product: 56088

Input File:

- Invalid
 - EOT
 - Empty
 - afile\$.txt (invalid chars)
 - file.txt file.txt (multiple matches)
 - !!!file.txt@@@ (regex start and end anchors)
 - file.txt (extra whitespace)
 - file.2txt (wrong extension)
 - file (no extension)
 - adirectory.txt (directory)
 - ../file.txt (accessing file in other directory)
 - file2.txt (file doesn't exist)
 - .txt (too short)
 - aa.txt (too long)
 - a.txt (file too large)

```
Name of an existing input file of at most 130048 bytes to read from:
Enter the name of a plain text file in the current directory.
No parts of the filepath other than the name of the file may be specified.
The filename may include 1-50 alphanumeric characters, periods, underscores, and hyphens, followed by .txt

Invalid input. Try again.

Enter the name of a plain text file in the current directory.
No parts of the filepath other than the name of the file may be specified.
The filename may include 1-50 alphanumeric characters, periods, underscores, and hyphens, followed by .txt

Invalid input. Try again.

Enter the name of a plain text file in the current directory.
No parts of the filepath other than the name of the file may be specified.
The filename may include 1-50 alphanumeric characters, periods, underscores, and hyphens, followed by .txt
afile$.txt

Invalid input. Try again.

Enter the name of a plain text file in the current directory.
No parts of the filepath other than the name of the file may be specified.
The filename may include 1-50 alphanumeric characters, periods, underscores, and hyphens, followed by .txt
file.txt file.txt

Invalid input. Try again.

Enter the name of a plain text file in the current directory.
No parts of the filepath other than the name of the file may be specified.
The filename may include 1-50 alphanumeric characters, periods, underscores, and hyphens, followed by .txt
!!!file.txt@@@

Invalid input. Try again.

Enter the name of a plain text file in the current directory.
No parts of the filepath other than the name of the file may be specified.
The filename may include 1-50 alphanumeric characters, periods, underscores, and hyphens, followed by .txt
file.txt

Invalid input. Try again.
```


Enter the name of a plain text file in the current directory.
No parts of the filepath other than the name of the file may be specified.
The filename may include 1-50 alphanumeric characters, periods, underscores, and hyphens, followed by .txt
file.2txt

Invalid input. Try again.

Enter the name of a plain text file in the current directory.
No parts of the filepath other than the name of the file may be specified.
The filename may include 1-50 alphanumeric characters, periods, underscores, and hyphens, followed by .txt
file

Invalid input. Try again.

Enter the name of a plain text file in the current directory.

Name of an existing input file of at most 130048 bytes to read from:
Enter the name of a plain text file in the current directory.
No parts of the filepath other than the name of the file may be specified.
The filename may include 1-50 alphanumeric characters, periods, underscores, and hyphens, followed by .txt
adirectory.txt

The provided filename refers to a directory.
Invalid input. Try again.

Enter the name of a plain text file in the current directory.

Enter the name of a plain text file in the current directory.
No parts of the filepath other than the name of the file may be specified.
The filename may include 1-50 alphanumeric characters, periods, underscores, and hyphens, followed by .txt
../file.txt

Invalid input. Try again.

Enter the name of a plain text file in the current directory.
No parts of the filepath other than the name of the file may be specified.
The filename may include 1-50 alphanumeric characters, periods, underscores, and hyphens, followed by .txt
file2.txt

The specified file does not exist or you do not have permission to access it.
Invalid input. Try again.

Enter the name of a plain text file in the current directory.
No parts of the filepath other than the name of the file may be specified.
The filename may include 1-50 alphanumeric characters, periods, underscores, and hyphens, followed by .txt
.txt

Invalid input. Try again.

```
Enter the name of a plain text file in the current directory.  
No parts of the filepath other than the name of the file may be specified.  
The filename may include 1-50 alphanumeric characters, periods, underscores, and hyphens, followed by .txt  
aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa.txt
```

```
Invalid input. Try again.
```

```
Enter the name of a plain text file in the current directory.  
No parts of the filepath other than the name of the file may be specified.
```

```
Enter the name of a plain text file in the current directory.  
No parts of the filepath other than the name of the file may be specified.  
The filename may include 1-50 alphanumeric characters, periods, underscores,  
a.txt
```

```
The specified file exceeds 130048 bytes.  
Invalid input. Try again.
```

```
Enter the name of a plain text file in the current directory.  
No parts of the filepath other than the name of the file may be specified.  
The filename may include 1-50 alphanumeric characters, periods, underscores,
```

- Valid
 - a.txt (min length)
 - aa.txt (max length)
 - file.txt (valid name and contents general case)

```
Name of an existing input file of at most 130048 bytes to read from:  
Enter the name of a plain text file in the current directory.  
No parts of the filepath other than the name of the file may be specified.  
The filename may include 1-50 alphanumeric characters, periods, underscores, and hyphens, followed by .txt  
a.txt
```

```
Password:
```

```
Input file name:  
a.txt
```

```
Input file contents:  
This is line 0  
This is line 1  
This is line 2  
This is line 3  
This is line 4  
This is line 5  
This is line 6  
This is line 7  
This is line 8  
This is line 9  
This is line 10  
This is line 11  
This is line 12
```

Enter the name of a plain text file in the current directory.
No parts of the filepath other than the name of the file may be specified.
The filename may include 1-50 alphanumeric characters, periods, underscores, and hyphens, followed by .txt
aaa.txt

Password:

```
Input file name:
aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa.txt
```

Input file contents:

```
This is line 0
This is line 1
This is line 2
This is line 3
This is line 4
This is line 5
This is line 6
This is line 7
This is line 8
This is line 9
This is line 10
This is line 11
This is line 12
```

Name of an existing input file of at most 130048 bytes to read from:

Enter the name of a plain text file in the current directory.
No parts of the filepath other than the name of the file may be specified.
The filename may include 1-50 alphanumeric characters, periods, underscores, and hyphens, followed by .txt
file.txt

Password:

```
Input file name:
file.txt
```

Input file contents:

```
This is line 0
This is line 1
This is line 2
This is line 3
This is line 4
This is line 5
This is line 6
This is line 7
This is line 8
This is line 9
This is line 10
This is line 11
This is line 12
```

Password:

Retyped password uses the same regex as the original password, so tests validating the regex are not repeated for the retyped password.

Original

- [illegible]

```

password:
Enter a password including at least one uppercase latin letter, lowercase latin letter, decimal digit, and special character (any of the following: ~!@#%&*()_+.).
The password may contain multiple of each of these but may not contain any characters that are not listed above.
The password must be at least 10 and at most 50 characters.
^Z

Invalid input. Try again.

Enter a password including at least one uppercase latin letter, lowercase latin letter, decimal digit, and special character (any of the following: ~!@#%&*()_+.).
The password may contain multiple of each of these but may not contain any characters that are not listed above.
The password must be at least 10 and at most 50 characters.

Invalid input. Try again.

Enter a password including at least one uppercase latin letter, lowercase latin letter, decimal digit, and special character (any of the following: ~!@#%&*()_+.).
The password may contain multiple of each of these but may not contain any characters that are not listed above.
The password must be at least 10 and at most 50 characters.
abcABC123![]

Invalid input. Try again.

Enter a password including at least one uppercase latin letter, lowercase latin letter, decimal digit, and special character (any of the following: ~!@#%&*()_+.).
The password may contain multiple of each of these but may not contain any characters that are not listed above.
The password must be at least 10 and at most 50 characters.
abcABC123! abcABC123!

Invalid input. Try again.

Enter a password including at least one uppercase latin letter, lowercase latin letter, decimal digit, and special character (any of the following: ~!@#%&*()_+.).
The password may contain multiple of each of these but may not contain any characters that are not listed above.
The password must be at least 10 and at most 50 characters.
///abcABC123!\\

Invalid input. Try again.

Enter a password including at least one uppercase latin letter, lowercase latin letter, decimal digit, and special character (any of the following: ~!@#%&*()_+.).
The password may contain multiple of each of these but may not contain any characters that are not listed above.
The password must be at least 10 and at most 50 characters.
    abcABC123!

Invalid input. Try again.

Enter a password including at least one uppercase latin letter, lowercase latin letter, decimal digit, and special character (any of the following: ~!@#%&*()_+.).
The password may contain multiple of each of these but may not contain any characters that are not listed above.
The password must be at least 10 and at most 50 characters.
ABCABC123!

Invalid input. Try again.

Enter a password including at least one uppercase latin letter, lowercase latin letter, decimal digit, and special character (any of the following: ~!@#%&*()_+.).
The password may contain multiple of each of these but may not contain any characters that are not listed above.

```

```

Invalid input. Try again.

Enter a password including at least one uppercase latin letter, lowercase latin letter, decimal digit, and special character (any of the following: ~!@#%&*()_+~).
The password may contain multiple of each of these but may not contain any characters that are not listed above.
The password must be at least 10 and at most 50 characters.
abcabc123!

Invalid input. Try again.

Enter a password including at least one uppercase latin letter, lowercase latin letter, decimal digit, and special character (any of the following: ~!@#%&*()_+~).
The password may contain multiple of each of these but may not contain any characters that are not listed above.
The password must be at least 10 and at most 50 characters.
abcABCABC!

Invalid input. Try again.

Enter a password including at least one uppercase latin letter, lowercase latin letter, decimal digit, and special character (any of the following: ~!@#%&*()_+~).
The password may contain multiple of each of these but may not contain any characters that are not listed above.
The password must be at least 10 and at most 50 characters.
abcABC1234

Invalid input. Try again.

Enter a password including at least one uppercase latin letter, lowercase latin letter, decimal digit, and special character (any of the following: ~!@#%&*()_+~).
The password may contain multiple of each of these but may not contain any characters that are not listed above.
The password must be at least 10 and at most 50 characters.
abcABC12!

Invalid input. Try again.

Enter a password including at least one uppercase latin letter, lowercase latin letter, decimal digit, and special character (any of the following: ~!@#%&*()_+~).
The password may contain multiple of each of these but may not contain any characters that are not listed above.
The password must be at least 10 and at most 50 characters.
aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaA12!

Invalid input. Try again.

Enter a password including at least one uppercase latin letter, lowercase latin letter, decimal digit, and special character (any of the following: ~!@#%&*()_+~).
The password may contain multiple of each of these but may not contain any characters that are not listed above.
The password must be at least 10 and at most 50 characters.

```

- Valid
 - abcABC123! (min length)
 - aaaA1! (max length)
 - !@#%&*()_+~ (valid chars and length general case)

```

Enter a password including at least one uppercase latin letter, lowercase latin letter, decimal digit, and special character (any of the following: ~!@#%&*()_+~).
The password may contain multiple of each of these but may not contain any characters that are not listed above.
The password must be at least 10 and at most 50 characters.
abcABC123!

Retype your password:
abcABC123!

Name of a currently nonexistent output file to write to:

```

```

Password:
Enter a password including at least one uppercase latin letter, lowercase latin letter, decimal digit, and special character (any of the following: ~!@#%&*()_+~).
The password may contain multiple of each of these but may not contain any characters that are not listed above.
The password must be at least 10 and at most 50 characters.
aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaA1!

Retype your password:
aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaA1!

Name of a currently nonexistent output file to write to:

```

```

Password:
Enter a password including at least one uppercase latin letter, lowercase latin letter, decimal digit, and special character (any of the following: ~!@#%&*()_+~).
The password may contain multiple of each of these but may not contain any characters that are not listed above.
The password must be at least 10 and at most 50 characters.
!@#%&*()_+~

Retype your password:
!@#%&*()_+~

Name of a currently nonexistent output file to write to:

```

Retyped

- Invalid
 - Original: abcABC123! Retyped: abcABC123
(fail regex test and do not reach hash validation)
 - Original: abcABC123! Retyped: abcABC12!3
(pass regex test but fail hash validation)

```

Password:
Enter a password including at least one uppercase latin letter, lowercase latin letter, decimal digit, and special character (any of the following: ~!@#%&*()_+~).
The password may contain multiple of each of these but may not contain any characters that are not listed above.
The password must be at least 10 and at most 50 characters.
abcABC123!

Retype your password:
abcABC123

Invalid input. Try again.

Retype your password:

```

```
Password:
Enter a password including at least one uppercase latin letter, lowercase latin letter, decimal digit, and special character (any of the following: ~!@#$$%^&*()_+=-).
The password may contain multiple of each of these but may not contain any characters that are not listed above.
The password must be at least 10 and at most 50 characters.
abcABC123!

Retype your password:
abcABC12!3

Invalid input. Try again.

Retype your password:
```

- Valid
 - Original: abcABC123! Retyped: abcABC123!
(pass regex for chars and length and pass hash validation)

```
Password:
Enter a password including at least one uppercase latin letter, lowercase latin letter, decimal digit, and special character (any of the following: ~!@#$$%^&*()_+=-).
The password may contain multiple of each of these but may not contain any characters that are not listed above.
The password must be at least 10 and at most 50 characters.
abcABC123!

Retype your password:
abcABC123!

Name of a currently nonexistent output file to write to:
```

Output File:

Note: No possible issue with specifying the same file as was specified for input, since the output file cannot overwrite any other file (and the input file is read in while it is being validated).

- [illegible]

Name of a currently nonexistent output file to write to:
Enter the name of a plain text file in the current directory.
No parts of the filepath other than the name of the file may be specified.
The filename may include 1-50 alphanumeric characters, periods, underscores, and hyphens, followed by .txt

Invalid input. Try again.

Enter the name of a plain text file in the current directory.
No parts of the filepath other than the name of the file may be specified.
The filename may include 1-50 alphanumeric characters, periods, underscores, and hyphens, followed by .txt

Invalid input. Try again.

Enter the name of a plain text file in the current directory.
No parts of the filepath other than the name of the file may be specified.
The filename may include 1-50 alphanumeric characters, periods, underscores, and hyphens, followed by .txt

█

Name of a currently nonexistent output file to write to:
Enter the name of a plain text file in the current directory.
No parts of the filepath other than the name of the file may be specified.
The filename may include 1-50 alphanumeric characters, periods, underscores, and hyphens, followed by .txt
afile\$.txt

Invalid input. Try again.

Enter the name of a plain text file in the current directory.
No parts of the filepath other than the name of the file may be specified.
The filename may include 1-50 alphanumeric characters, periods, underscores, and hyphens, followed by .txt
file.txt file.txt

Invalid input. Try again.

Enter the name of a plain text file in the current directory.
No parts of the filepath other than the name of the file may be specified.
The filename may include 1-50 alphanumeric characters, periods, underscores, and hyphens, followed by .txt
!!!file.txt@

Invalid input. Try again.

Enter the name of a plain text file in the current directory.
No parts of the filepath other than the name of the file may be specified.
The filename may include 1-50 alphanumeric characters, periods, underscores, and hyphens, followed by .txt
file.txt

Invalid input. Try again.

Enter the name of a plain text file in the current directory.
No parts of the filepath other than the name of the file may be specified.
The filename may include 1-50 alphanumeric characters, periods, underscores, and hyphens, followed by .txt
file.2txt

Invalid input. Try again.

Enter the name of a plain text file in the current directory.
No parts of the filepath other than the name of the file may be specified.
The filename may include 1-50 alphanumeric characters, periods, underscores, and hyphens, followed by .txt
file

Invalid input. Try again.


```

Enter the name of a plain text file in the current directory.
No parts of the filepath other than the name of the file may be specified.
The filename may include 1-50 alphanumeric characters, periods, underscores, and hyphens, followed by .txt
adirectory.txt

The provided filename refers to a directory.
Invalid input. Try again.

Enter the name of a plain text file in the current directory.
No parts of the filepath other than the name of the file may be specified.
The filename may include 1-50 alphanumeric characters, periods, underscores, and hyphens, followed by .txt
../file.txt

Invalid input. Try again.

Enter the name of a plain text file in the current directory.
No parts of the filepath other than the name of the file may be specified.
The filename may include 1-50 alphanumeric characters, periods, underscores, and hyphens, followed by .txt
file.txt

Invalid input. Try again.

Enter the name of a plain text file in the current directory.
No parts of the filepath other than the name of the file may be specified.
The filename may include 1-50 alphanumeric characters, periods, underscores, and hyphens, followed by .txt
.txt

Invalid input. Try again.

Enter the name of a plain text file in the current directory.
No parts of the filepath other than the name of the file may be specified.
The filename may include 1-50 alphanumeric characters, periods, underscores, and hyphens, followed by .txt
aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa.txt

Invalid input. Try again.

Enter the name of a plain text file in the current directory.
No parts of the filepath other than the name of the file may be specified.
The filename may include 1-50 alphanumeric characters, periods, underscores, and hyphens, followed by .txt

```

- Valid
 - a.txt (min length)
 - aa.txt (max length)
 - file.txt (valid name and contents general case)

Name of a currently nonexistent output file to write to:
Enter the name of a plain text file in the current directory.
No parts of the filepath other than the name of the file may be specified.
The filename may include 1-50 alphanumeric characters, periods, underscores, and
a.txt

 >  /mnt/c/U/a/OneDrive /Sc/Autumn 2022/TCSS 483/Defend Code/defendcs

```
defendcs > a.txt
1 First name:
2 a
3
4 Last name:
5 a
6
7
8 First integer:
9 0
10
11 Second integer:
12 0
13
14 Sum:
15 0
16
17 Product:
18 0
19
20
21 Input file name:
22 output.txt
23
24 Input file contents:
25 First name:
26 AJ
27
28 Last name:
29 d
30
31
32 First integer:
33 2142321
34
35 Second integer:
36 4213
37
38 Sum:
39 2146534
40
41 Product:
42 9025598373
43
44
45 Input file name:
46 test.txt
47
48 Input file contents:
49 This tis ates tfhdal;khfea fdsafda
50
51
52 IDAH JKALHFe tbets
53
```

Name of a currently nonexistent output file to write to:
Enter the name of a plain text file in the current directory.
No parts of the filepath other than the name of the file may be specified.
The filename may include 1-50 alphanumeric characters, periods, underscores,
aaa.txt

 >  /mnt/c/U/a/OneDrive /Sc/Autumn 2022/TCSS 483/Defend Code/defendcs

```
defendcs > aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa.txt X
defendcs > aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa.txt
1 First name:
2 a
3
4 Last name:
5 a
6
7
8 First integer:
9 0
10
11 Second integer:
12 0
13
14 Sum:
15 0
16
17 Product:
18 0
19
20
21 Input file name:
22 output.txt
23
24 Input file contents:
25 First name:
26 AJ
27
28 Last name:
29 d
30
31
32 First integer:
33 2142321
34
35 Second integer:
36 4213
37
38 Sum:
39 2146534
40
41 Product:
42 9025598373
43
44
45 Input file name:
46 test.txt
47
48 Input file contents:
49 This tis ates tfhdal;khfea fdsafda
50
51
52 IDAH JKALHFe tbets
53
```

Retype your password:
Password!1

Name of a currently nonexistent output file to write to:
Enter the name of a plain text file in the current directory.
No parts of the filepath other than the name of the file may be specified.
The filename may include 1-50 alphanumeric characters, periods, underscores, and
file.txt

 >  /mnt/c/U/a/OneDrive /Sc/Autumn 2022/TCSS 483/Defend Code/defendcs

```
file.txt x
defendcs > file.txt
6
7
8 First integer:
9 0
10
11 Second integer:
12 0
13
14 Sum:
15 0
16
17 Product:
18 0
19
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21 Input file name:
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