Team 12: Jered W, Julia K, Luca S

First/Last Name

No entry(fail)

```
Please enter your first name
(Enter a valid name that that only contains uppercase/lowercase letters and/or hyphens)
Error: Name is invalid

(Enter a valid name that that only contains uppercase/lowercase letters and/or hyphens)█
```

With numbers(fail)

```
Please enter your first name
(Enter a valid name that that only contains uppercase/lowercase letters and/or hyphens)Julia123
Error: Name is invalid
```

With blank space(fail)

```
Please enter your first name
(Enter a valid name that that only contains uppercase/lowercase letters and/or hyphens)Julia Kulev
Error: Name is invalid

(Enter a valid name that that only contains uppercase/lowercase letters and/or hyphens)█
```

With over 50 characters(fail)

```
(Enter a valid name that that only contains uppercase/lowercase letters and/or hyphens)JuliaJuliaJuliaJuliaJuliaJul
iaJuliaJuliaJuliaJuliaJulia
Error: Name is invalid

(Enter a valid name that that only contains uppercase/lowercase letters and/or hyphens)█
```

With hyphen(pass)

```
(Enter a valid name that that only contains uppercase/lowercase letters and/or hyphens)Julia-Kulev
Name is valid

Please enter your last name
(Enter a valid name that that only contains uppercase/lowercase letters and/or hyphens)▯
```

One letter capital & lowercase(pass)

```
(Enter a valid name that that only contains uppercase/lowercase letters and/or hyphens)J
Name is valid

Please enter your last name
(Enter a valid name that that only contains uppercase/lowercase letters and/or hyphens)k
Name is valid
```

Valid entry(pass)

```
(Enter a valid name that that only contains uppercase/lowercase letters and/or hyphens)julia
Name is valid

Please enter your last name
(Enter a valid name that that only contains uppercase/lowercase letters and/or hyphens)KULEV
Name is valid
```

Numbers

Int at lower bound(pass)

```
Please enter an int between the numbers -2147483648 and 2147483647: -2147483648

Please enter a second int between the numbers -2147483648 and 2147483647: -2147483648
```

```
First Integer: -2147483648
Second Integer: -2147483648
Sum: -4294967296
Product: 4611686018427387904
```

Int at upper bound(pass)

```
Please enter an int between the numbers -2147483648 and 2147483647: 2147483647

Please enter a second int between the numbers -2147483648 and 2147483647: 2147483647
```

```
First Integer: 2147483647
Second Integer: 2147483647
Sum: 4294967294
Product: 4611686014132420609
```

Int out of upper bound(fail)

```
Please enter an int between the numbers -2147483648 and 2147483647: 9999999999

Please enter a second int between the numbers -2147483648 and 2147483647: 2
Error: One or more numbers are out of range

Please enter an int between the numbers -2147483648 and 2147483647:
```

Int out of lower bound(fail)

```
Please enter an int between the numbers -2147483648 and 2147483647: -99999999999

Please enter a second int between the numbers -2147483648 and 2147483647: 2
Error: One or more numbers are out of range

Please enter an int between the numbers -2147483648 and 2147483647:
```

Non int values entered(fail)

```
Please enter an int between the numbers -2147483648 and 2147483647: 2.5
Error: One or more numbers are not integers
```

```
Please enter an int between the numbers -2147483648 and 2147483647: d
Error: One or more numbers are not integers
```

```
Please enter an int between the numbers -2147483648 and 2147483647:
Error: One or more numbers are not integers
```

Input/Output file

Invalid file name with .txt(fail)

```
Please enter the name of the input file (Enter a file name including any combination of uppercase/lowercase letters
, numbers, hyphens, and/or underscores but excluding the file extension.)
test.txt
Error: File name is invalid
```

File name with invalid characters(fail)

```
Please enter a valid file name: test!
Error: File name is invalid

Please enter a valid file name: ▌
```

Fie name with blank spaces(fail)

```
Please enter a valid file name: file for test cases
Error: File name is invalid

Please enter a valid file name: ▌
```

Valid file names overwritten output file(pass)

```
Please enter the name of the input file (Enter a file name including any combination of uppercase/lowercase letters
, numbers, hyphens, and/or underscores but excluding the file extension.)
fileForTestCases

Please enter the name of the output file (Enter a file name including any combination of uppercase/lowercase letter
s, numbers, hyphens, and/or underscores but excluding the file extension.)
output
```

```
1    First Name: julia
2    Last Name: KULEV
3    First Integer: 45
4    Second Integer: 256
5    Sum: 301
6    Product: 11520
7    Input File Name: fileForTestCases
8    Input File Contents:
9    |
```

Password

Password with combination of special characters, numbers, capital and lowercase letters(pass)

```
Please enter a password: Julia123+
Please confirm your password: Julia123+
Information successfully written to output
```

Password combination with all one type of letter(pass)

```
Please enter a password: juliakulev
Please confirm your password: juliakulev
Information successfully written to output
```

Password with only numbers(pass)

```
Please enter a password: 12345
Please confirm your password: 12345
Information successfully written to output
```

Password with one character(pass)

```
Please enter a password: 1
Please confirm your password: 1
Information successfully written to output
```

Mismatched passwords(fail)

```
Please enter a password: 1Password
Please confirm your password: 2Password
Passwords do not match. Please try again

Please enter a password:
```