

Flowchart and Pseudocode

Activity #1: "Hello, World!"

file name: hello_world1

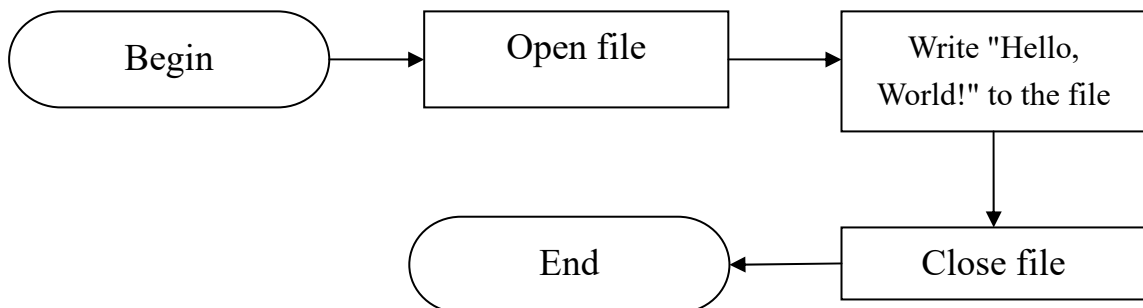


Pseudocode:

Print out "Hello, World!" to the screen.

Activity #1: "Hello, World!"

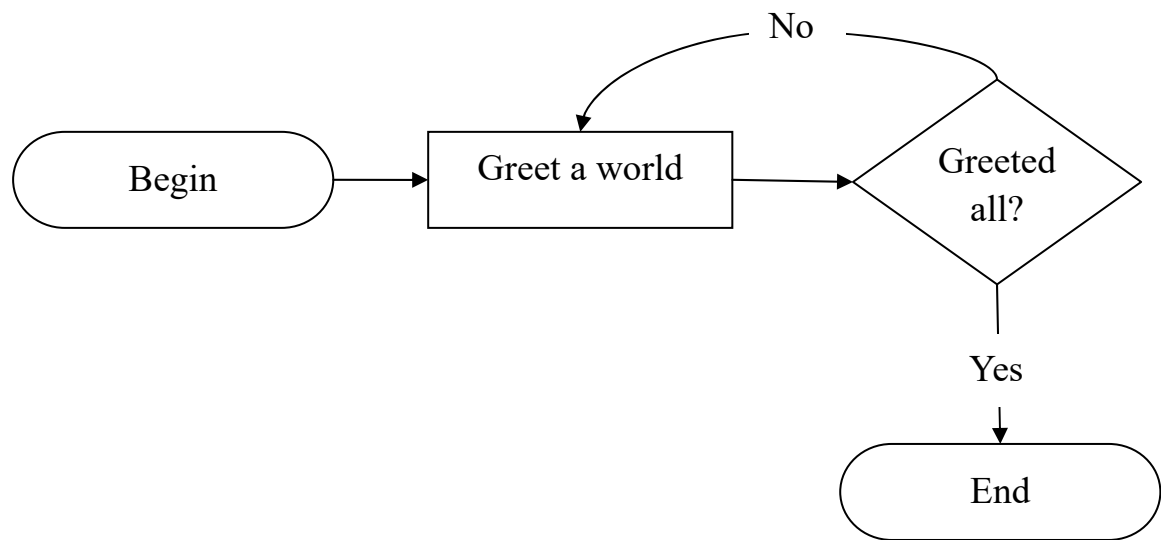
file name: hello_world2



Pseudocode:

1. Open a file named "HelloWorld.txt".
2. Write "Hello, World!" to the file.
3. Close the file.

Activity #1: "Hello, World!"
file name: greet_the_world

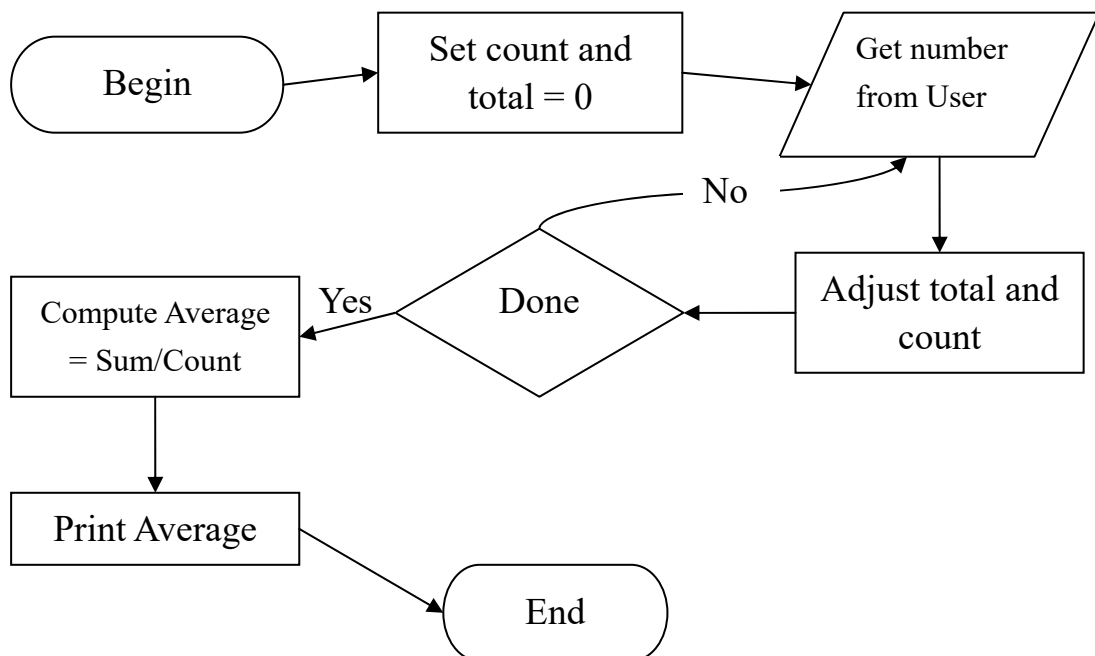


Pseudocode:

For each world Greet the world:
"Hello, World 1" to "Hello, World 10".

Activity #2: Interactive & Batch Averaging

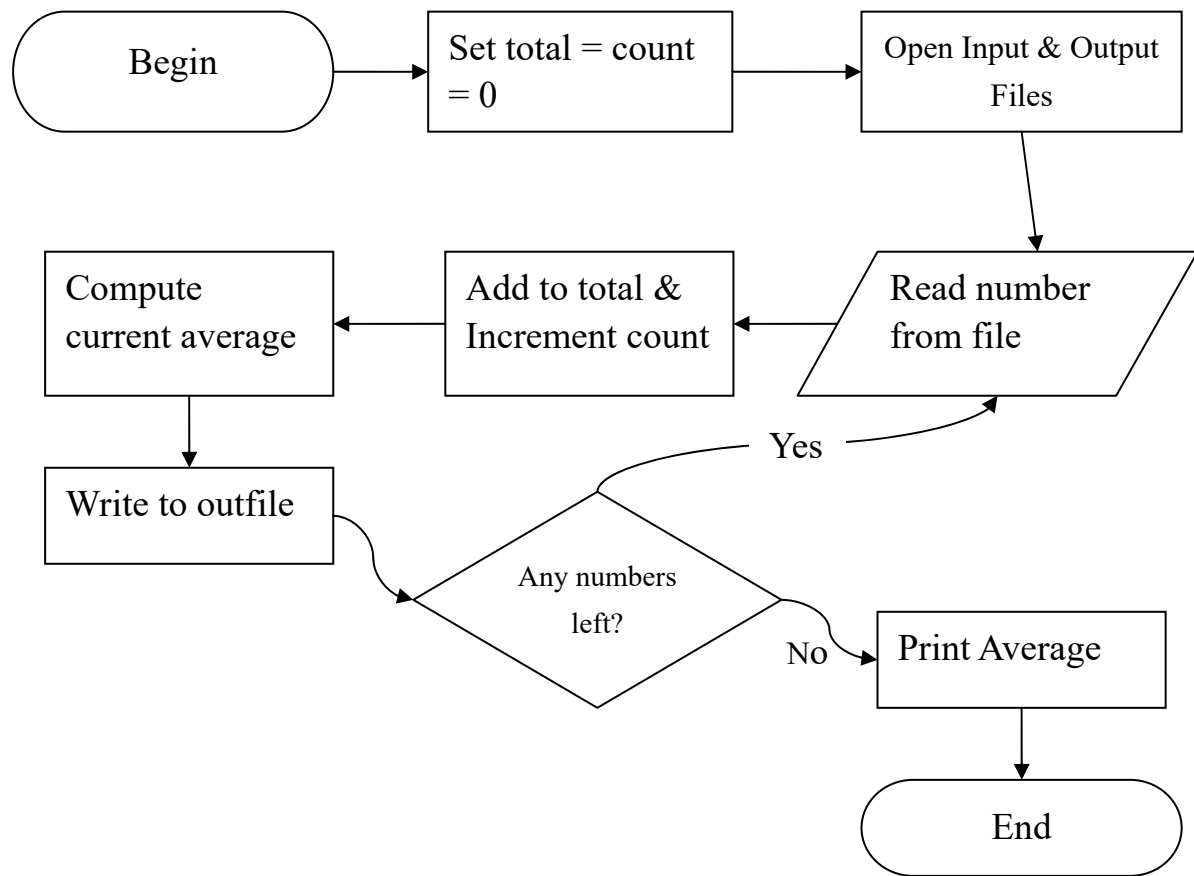
file name: Interactive_Batch_Averaging1



Pseudocode:

1. Set count and total to zero.
2. Get a number from the user.
3. Add the number to the total. Increment the count;
if the user wants to enter another number return to the first step.
4. Compute the average as total/count.
5. Print the average.

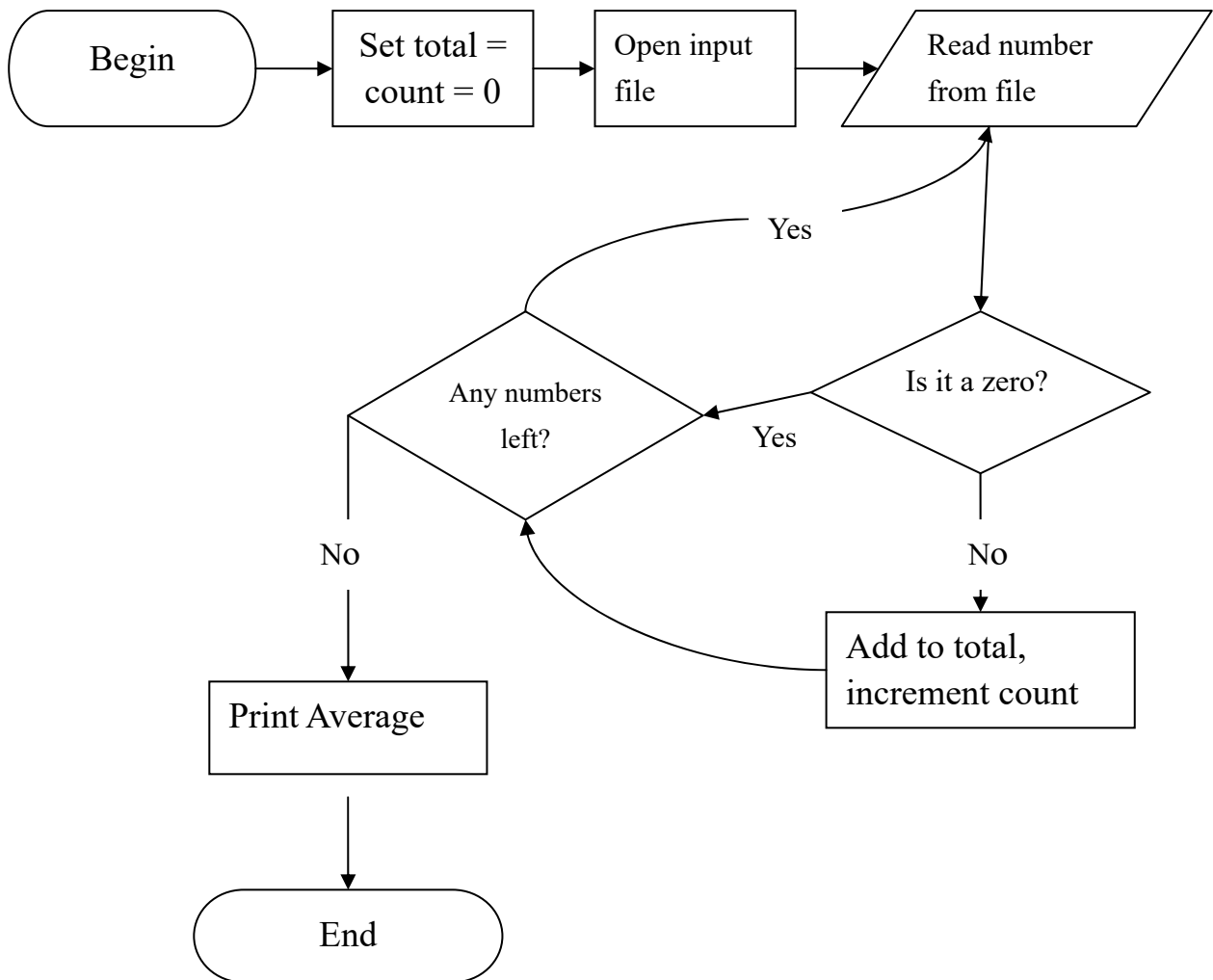
Activity #2: Interactive & Batch Averaging
file name: Interactive_Batch_Averaging2



Pseudocode:

1. Set count and total both to zero.
2. Open the input and output files.
3. For every number in the input file:
 - Read the number.
 - Add the number to the total.
 - Increment the count by one.
 - Compute current average = total/count.
 - Write count and current average to the outfile.
4. Print the final average.

Activity #3: Filtering & Sorting
file name: Filtering_Sorting1

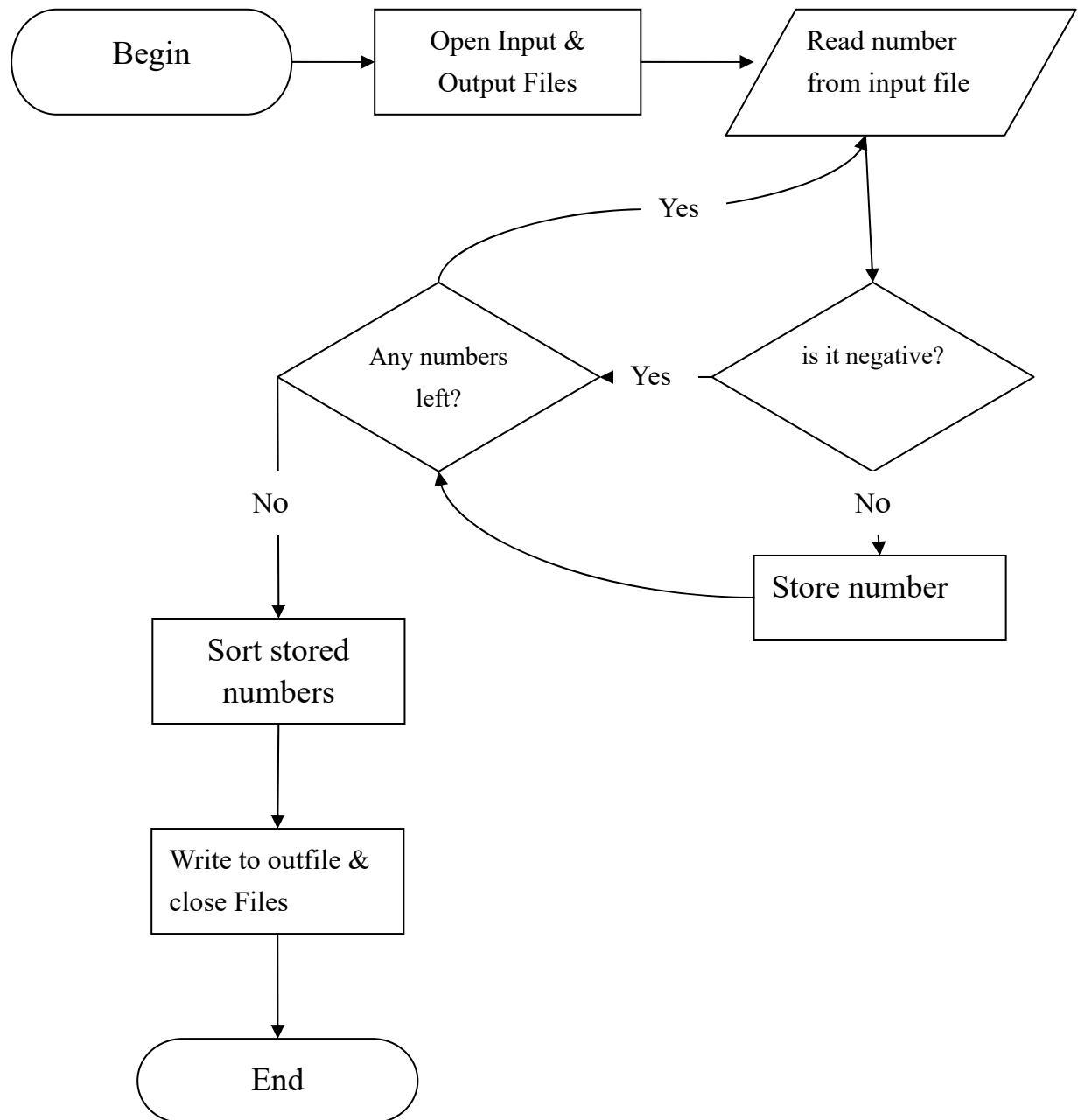


Pseudocode:

1. Set count and total both to zero.
2. Open the input files.
3. For each number in the file:
 If the number is zero do nothing;
 else add the number to the total and increment the count.
4. Print the final average.

Activity #3: Filtering & Sorting

filename: Filtering_Sorting2



Pseudocode:

1. Open input and output file.
2. For each number in the input file:
If the number is negative do nothing; else store the number for later use.
3. Sort stored numbers.
4. Write sorted numbers to the outfile.
5. Close input and output files