

## Flowchart and Pseudocode

### Activity #1: "Hello, World!"

file name: hello\_world1

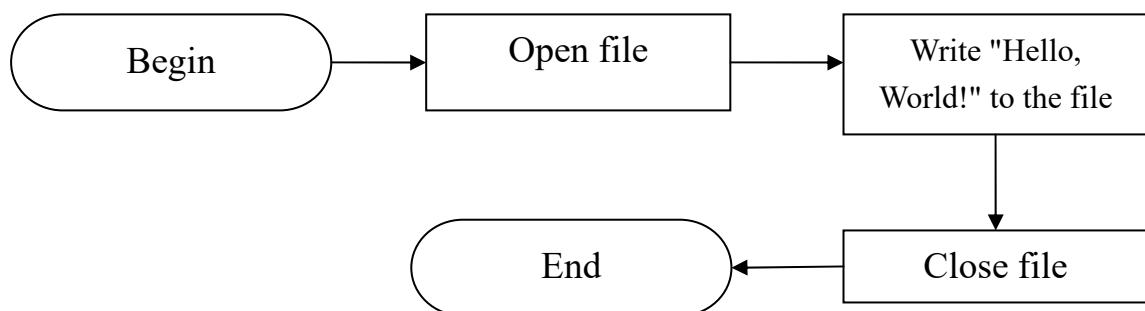


#### Pseudocode:

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

### Activity #1: "Hello, World!"

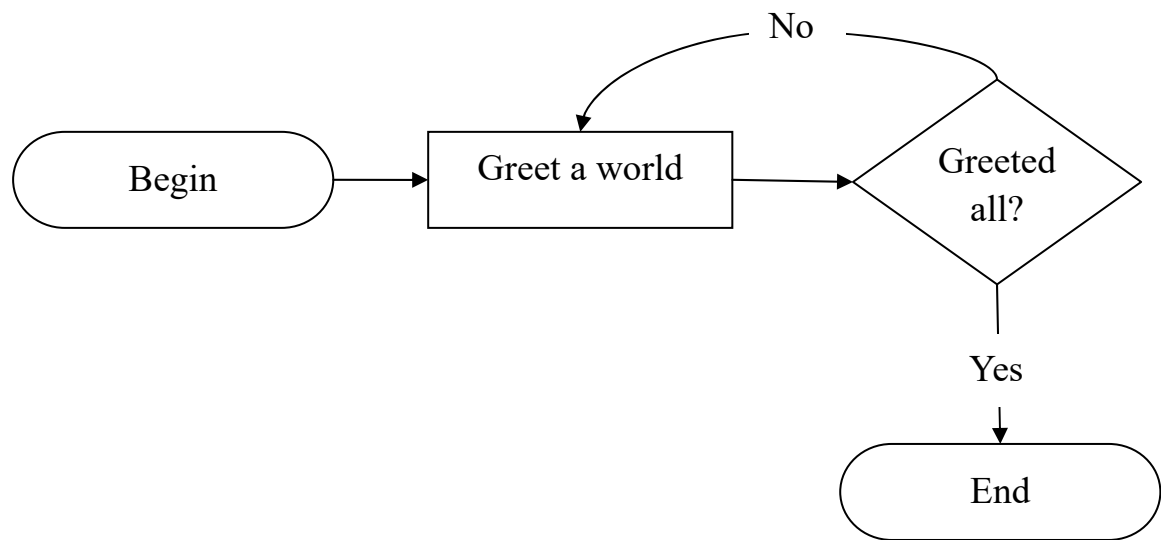
file name: hello\_world2



#### 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**

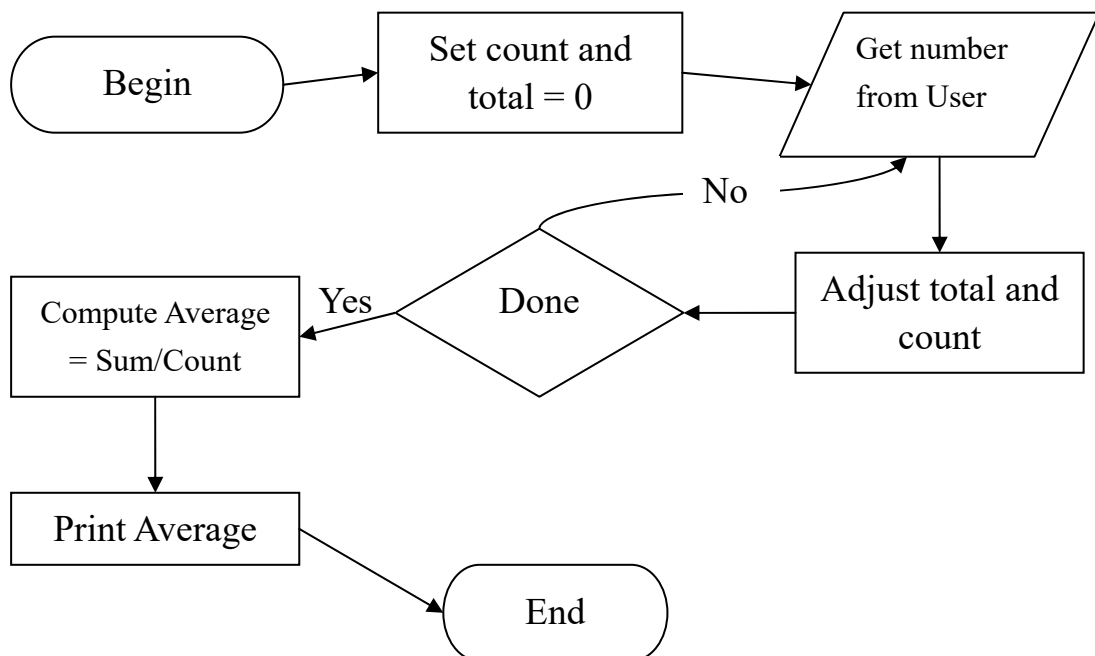


**Pseudocode:**

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

## Activity #2: Interactive & Batch Averaging

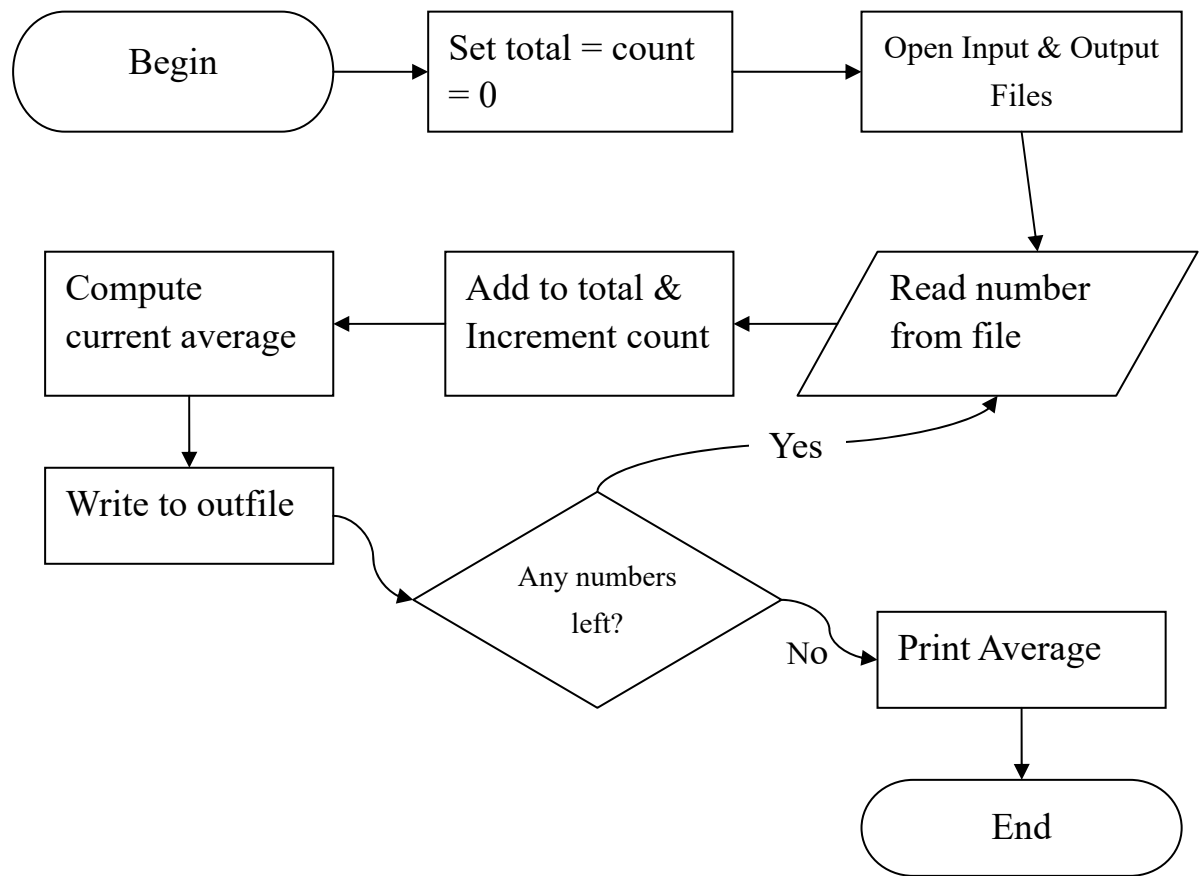
file name: Interactive\_Batch\_Averaging1



### 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**

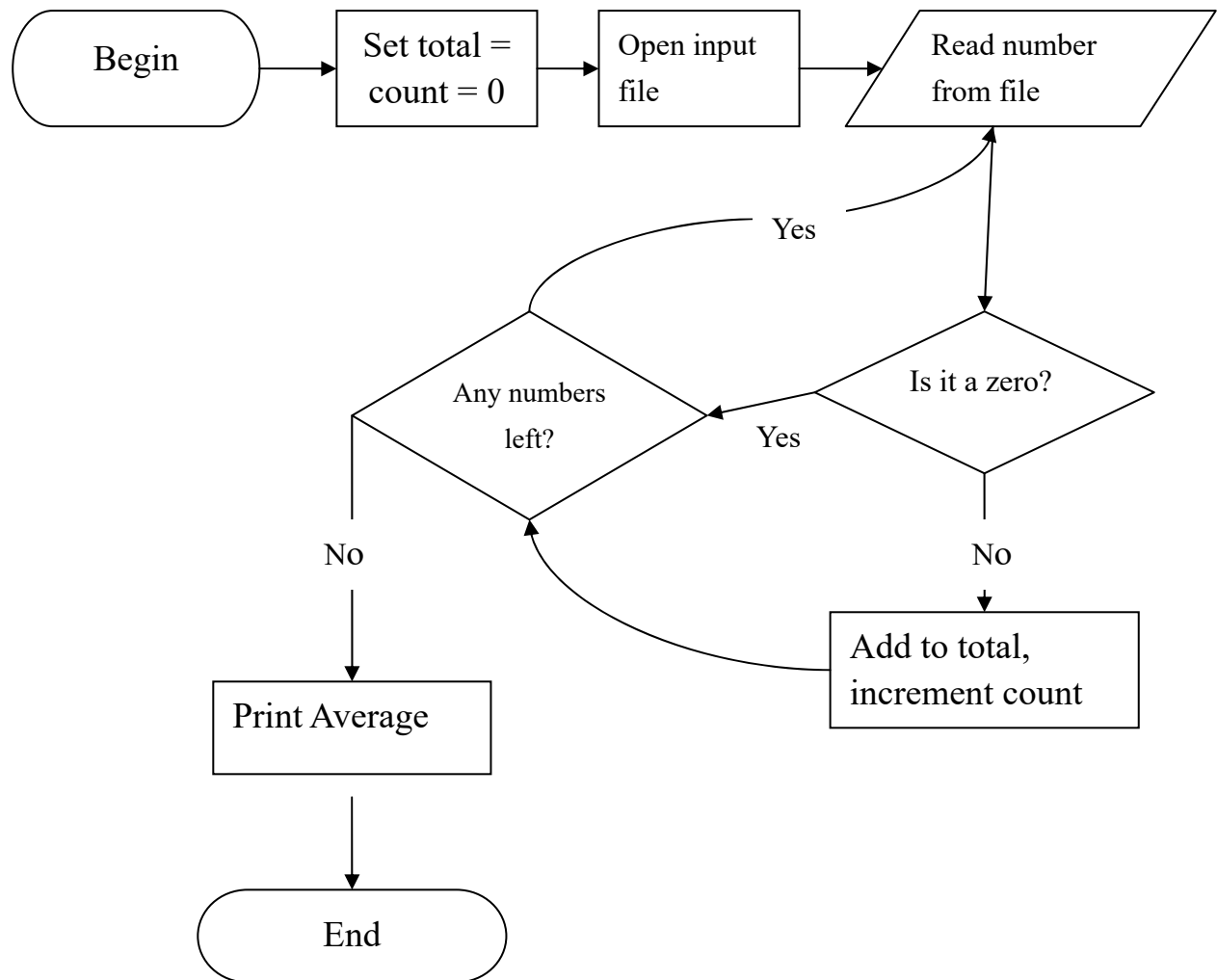


**Pseudocode:**

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

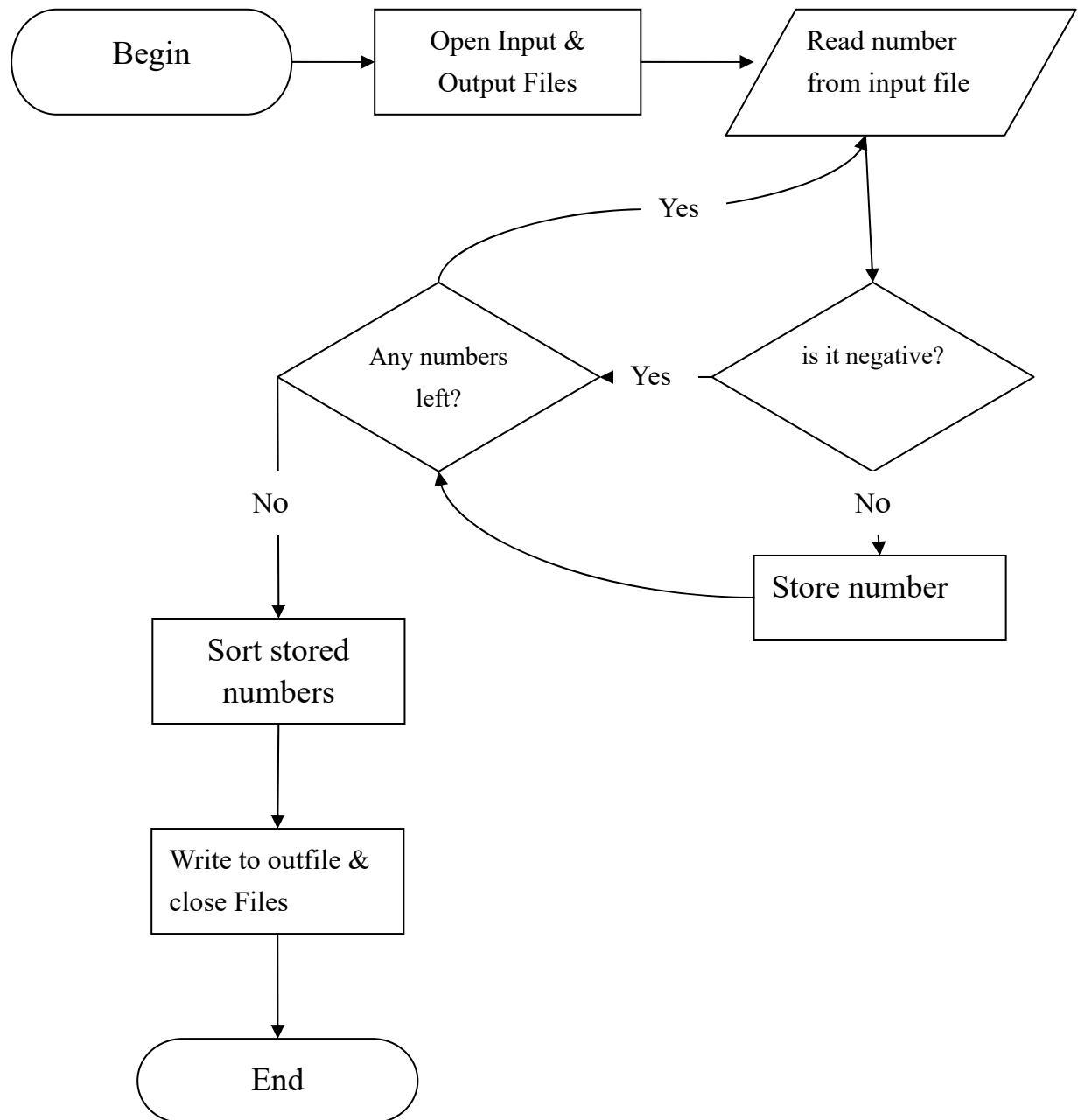


Pseudocode:

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