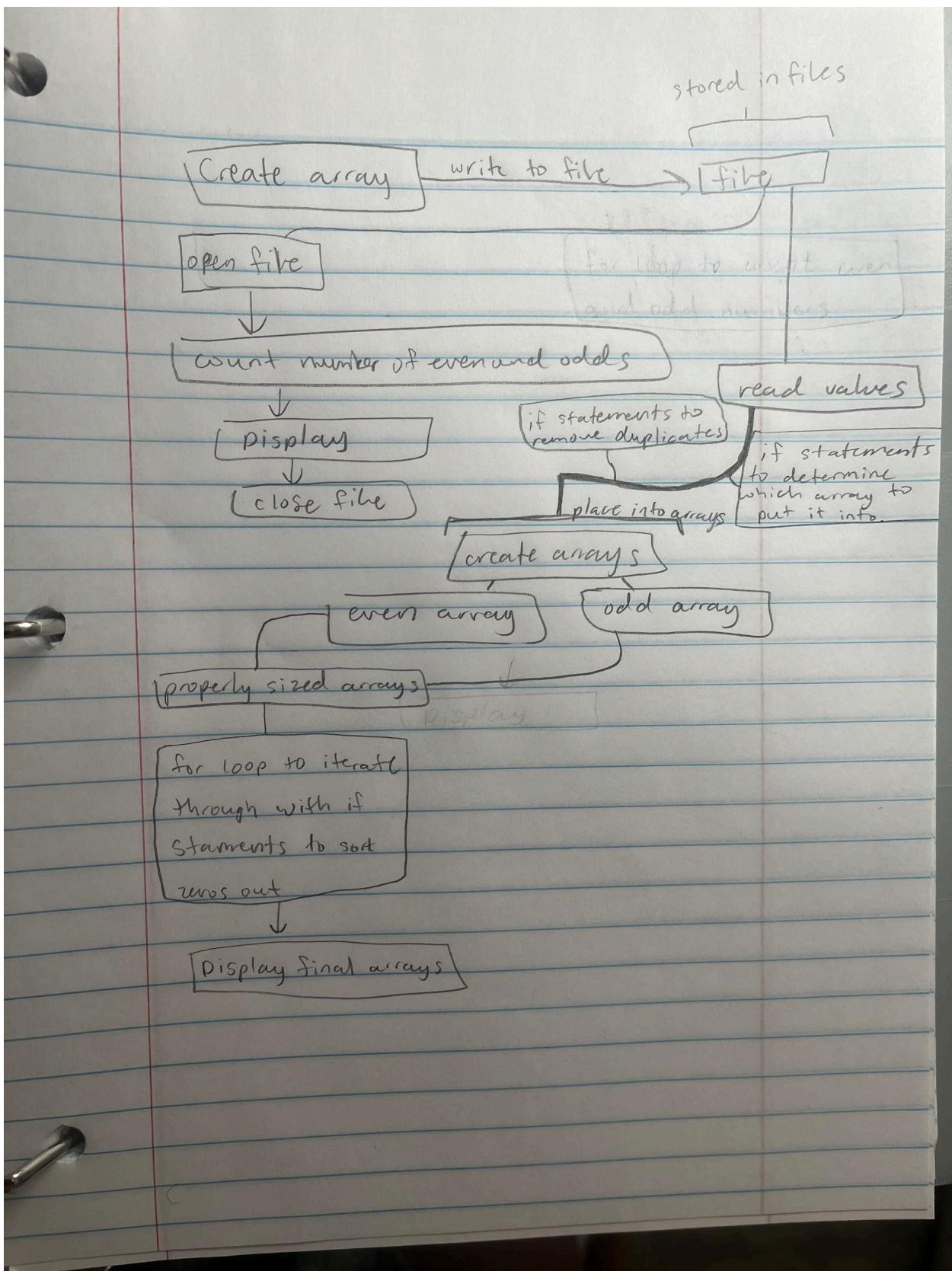


- 1) for this assignment I was responsible for creating an array with odd and even values. Then I had to write them to a file. Then I read from that file and placed the values into odd and even values in an array. I used a for loop to initilaze the new arrays and display them. I used array manipulation to skip duplicates.
- 2) I understand how to write to a file. I understand how to display arrays. I understand how to sort arrays and count the number of even and odds. However reading a file was a bit hard. Why can't I just read the array that is displayed in my project instead?

3) Sketch:



4) short summary: create an array with the specified values in the assignment. Display these values. Afterwards, use the array sort method to sort into order. Next write it to a file. Name the file and display the directory. Also while the values are being written to the file, we are counting the number of values of even and odd. Next we reopen the file and read the values. We must also create two new arrays to fill with even and odd values. Write if statements to determine if it's duplicate. Then display the arrays with no duplicates. Then remove the zeros and display the final arrays with no duplicates.

Task #1: fill array with values from assignment sheet and display

Create array from {1, 18, 10, 2, 16, 8, 15, 9, 9, 17, 14, 18, 1, 19, 18, 2, 1}

Display the values in array

Sort the array using Arrays.sort()

// Task #2: write the values in array to a file counting even and odd values

Create a file named assignment1.txt

Open file for writing

Initialize even and odd counters

for i = 0 to array length

 increment the even or odd counter for array[i] value

write array[i] value to file

end for

Display total number of values, number of even values, number of odd values

Close file

// Task 3: read values from file and place into new even and odd arrays

// removing duplicate values

Reopen file for reading

Create a new array to hold even file values

Create a new array to hold odd files values

Create an even array index

Create an odd array index

for (each value in the file) {

 // The pseudocode to read values from the file and place into array

 // while removing duplicates is left as an exercise for you

End for

Display values in **even** array showing extra slots with zero

Display values in **odd** array showing extra slots with zero

Create a new **even** array of **proper size** and copy the values from 1st even array
Create a new **odd** array of **proper size** and copy the values from 1st odd array

Display values in properly sized **even** array

Display values in properly sized **odd** array

5) the lessons I learned was how to work on assignments more productively. I tried to complete the assignment in two days, which wasn't really enough. So next time, I think I'll space it out little by little each day to not overwhelm myself.