**ISM6225\_Fall24\_Assignment\_2**

A screenshot of a computer

AI-generated content may be incorrect.   
I began by installing all of the essential tools. In my screenshot, you can see that Visual Studio is open, which I downloaded from the official Visual Studio website. I also installed Git from git-scm.com and set up the GitHub Copilot extension in Visual Studio so that I could receive AI-assisted coding suggestions during the assignment.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

To open the project, go to File > Open > Project/Solution and navigate to the cloned repository.  
  
navigated to the Program.cs folder.

A screenshot of a computer

AI-generated content may be incorrect.

I included the algorithms in the Program.cs file. The screenshot shows my code, which includes thorough inline comments that describe how I handled each challenge and edge situation. In addition, I produced a Word document named prompts.docx where I documented the specific prompts I sent to GitHub Copilot, the comments I received, and the changes I made based on those suggestions.

**Documenting AI (Copilot) Assistance:**

Next,I created a Word document named **prompts.docx** to record my AI (Copilot) assistance. Below is the complete content of that document I created a Word document called prompts.docx to document my AI (Copilot) support. The entire document's content is provided below.

A screenshot of a computer

AI-generated content may be incorrect.

This screenshot shows me running the command:dotnet build

I used this command to compile my project and confirm that all of my changes were error-free. The build output indicated that everything was configured correctly.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

**Running the Project**  
Next, I ran my project using: dotnet run

The screenshot shows the console output, and all of the methods (identifying missing integers, sorting by parity, two sum, and so on) provided the expected results. This confirmed that my implementation worked as expected.

**Committing and Pushing My Changes to GitHub**  
Finally, I took a screenshot of my terminal, demonstrating that I staged and committed all of my changes with:

git add .

git commit -m "Assignment 2: Implemented all methods, added documentation and output screenshot"

git push origin mainA screenshot of a computer

AI-generated content may be incorrect.

A computer screen with text and images

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

These screenshots shows that I successfully uploaded my entire project—including Program.cs, prompts.docx, and my output screenshot—to my GitHub repository.