Cairo university
Faculty of Computers and Information

CS231
Object Oriented Programming
Big real and Vole machine Static analysis

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Static code Analysis and code quality [Big real]

Clear version of the code

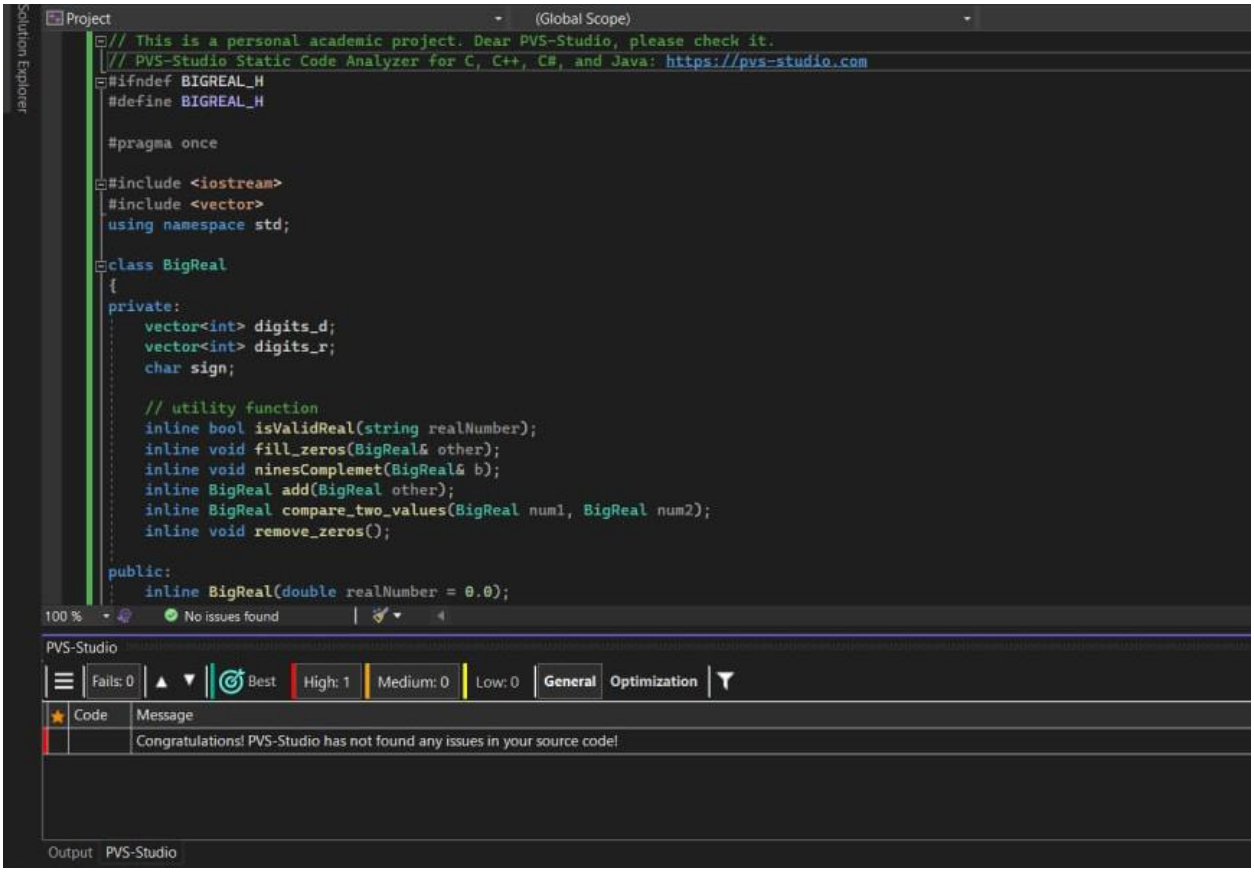

Figure 1 Clean version of the code for Big real

Static code Analysis and code quality [Vole machine]

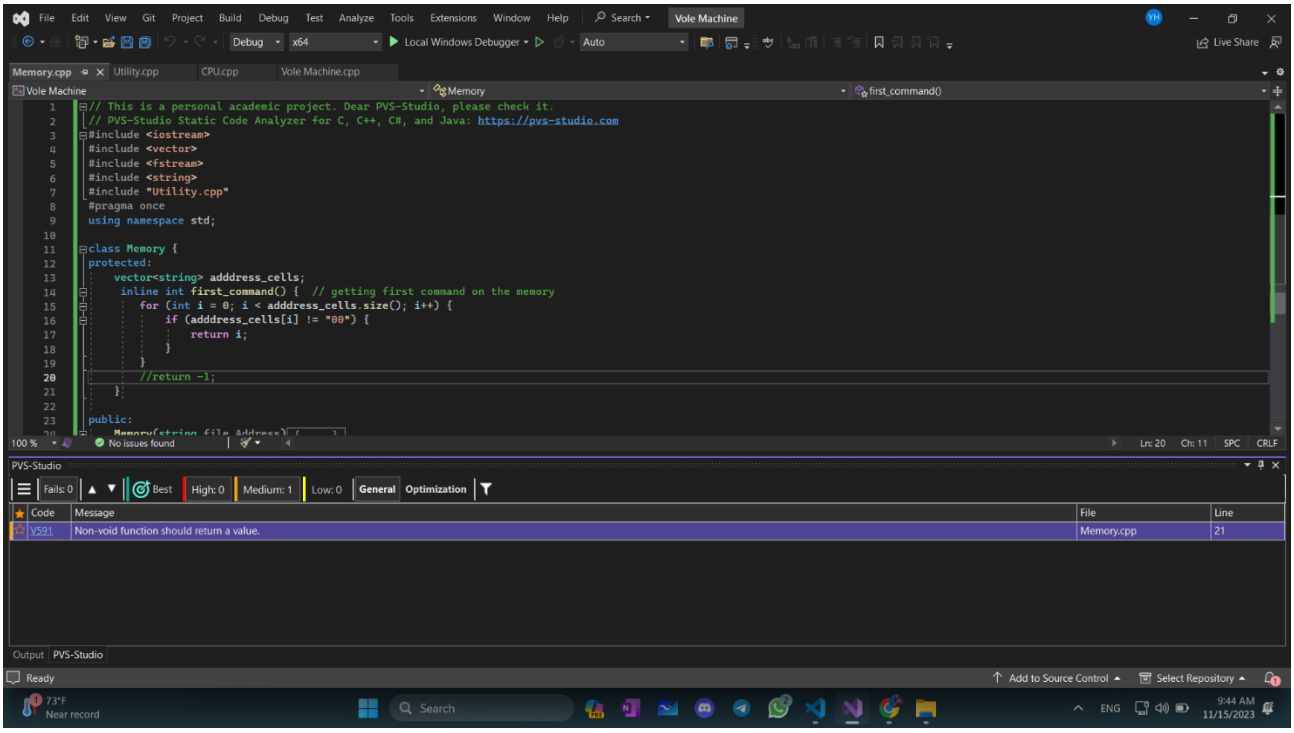

Figure 2 Some of the errors we have faced

Report for code analysis

User experience

The interface and user experience for the analyzing to -PVS tool – was very good with a friendly user experience interface and easy to use.

Important detected issues

- Multiple declarations for functions that is declared in the header file.
    - We have solved this problem with adding inline before the function as shown in the figure.
- Figuring out some logical errors while the workflow of the team till the final product.
- Data lose due to changing data types and masking.