OOP has many benefits when done right

There are many potential benefits to OOP that others have stated, including extensibility/scalability, code re-use, maintainability, and security. These benefits can be seen so some degree in any OO code, but there is a lot of code that doesn’t follow OO principles well enough to reap the full benefits.

For example, OOP should make it easy to re-use code. If there is some functionality in a codebase I want to re-use, I should be able to pull out only the classes I need. However, if the codebase is not very modular, and there many dependencies between classes, this can become a difficult task. Complex dependencies and things like poor encapsulation negatively affect the extensibility, maintainability, and security of the code.

While there are many benefits to OOP, it is important to remember that these benefits depend on following good design principles.