

How to write better programs with
unsafe programming languages?

Defensive programming (I)

Adopting good programming practices

Modularity

- Have separate modules for separate functionalities
- ✓ Easier to find security flaws when components are independent

Encapsulation

- Limit the interaction between the components
- ✓ Avoid wrong usage of the components

Information hiding

- Hide the implementation
- Black box model does not improve security