

Choosing a better programming language

Some languages are type-safe (i.e memory safe)

- ➔ Pure Rust, Lisp, pure Java, ADA, ML ...

Some languages isolate potentially unsafe code

- ➔ Modula-3, Java with native methods, C# ...

Some languages are hopeless

- ➔ Assembly languages, C ...

Type-Safe Programs

- ➔ Cannot access arbitrary memory addresses
- ➔ Cannot corrupt their own memory
- ✓ Do not crash