

# 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, C, C++ ...

# Type-Safe Programs

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