# Type-Safe Programs

➡ Cannot access arbitrary memory addresses

➡ Cannot corrupt their own memory

✓ Do not crash

# So why are we still using unsafe programming languages?

**If other programming languages are "memory safe", why are we not using them instead?**

➡ Because C and assembly code are used when a program requires high performances (audio, vide, calculus …) or when dealing with hardware directly (OS, drivers ….)