

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, video, calculus ...)  
or when dealing with hardware directly (OS, drivers ....)

# How to write better programs with unsafe programming languages?

- Defensive Programming
- Penetration testing
- Formal testing
- Formal development