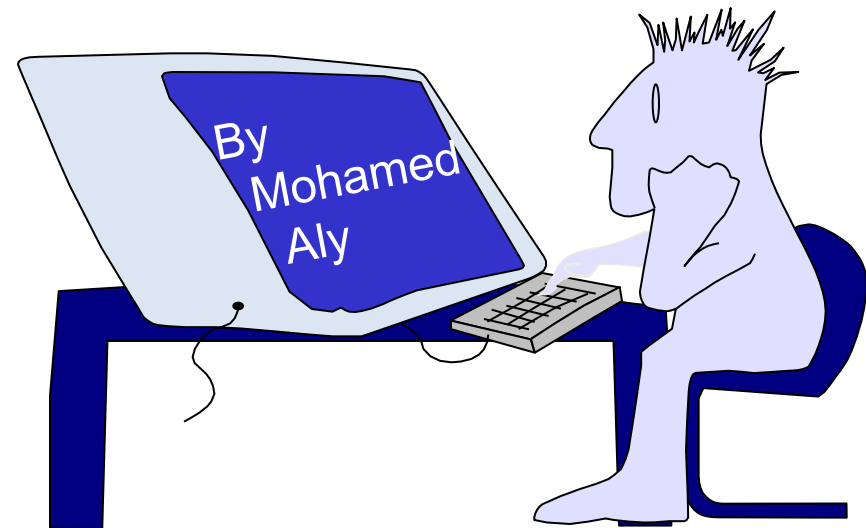


# *Embedded C*

## *Introduction*



# *Embedded system*

- An embedded system is a computing system that is embedded as a subsystem, in a larger system (which ***may or may not be a computer system***)
- Computing systems embedded within electronic devices

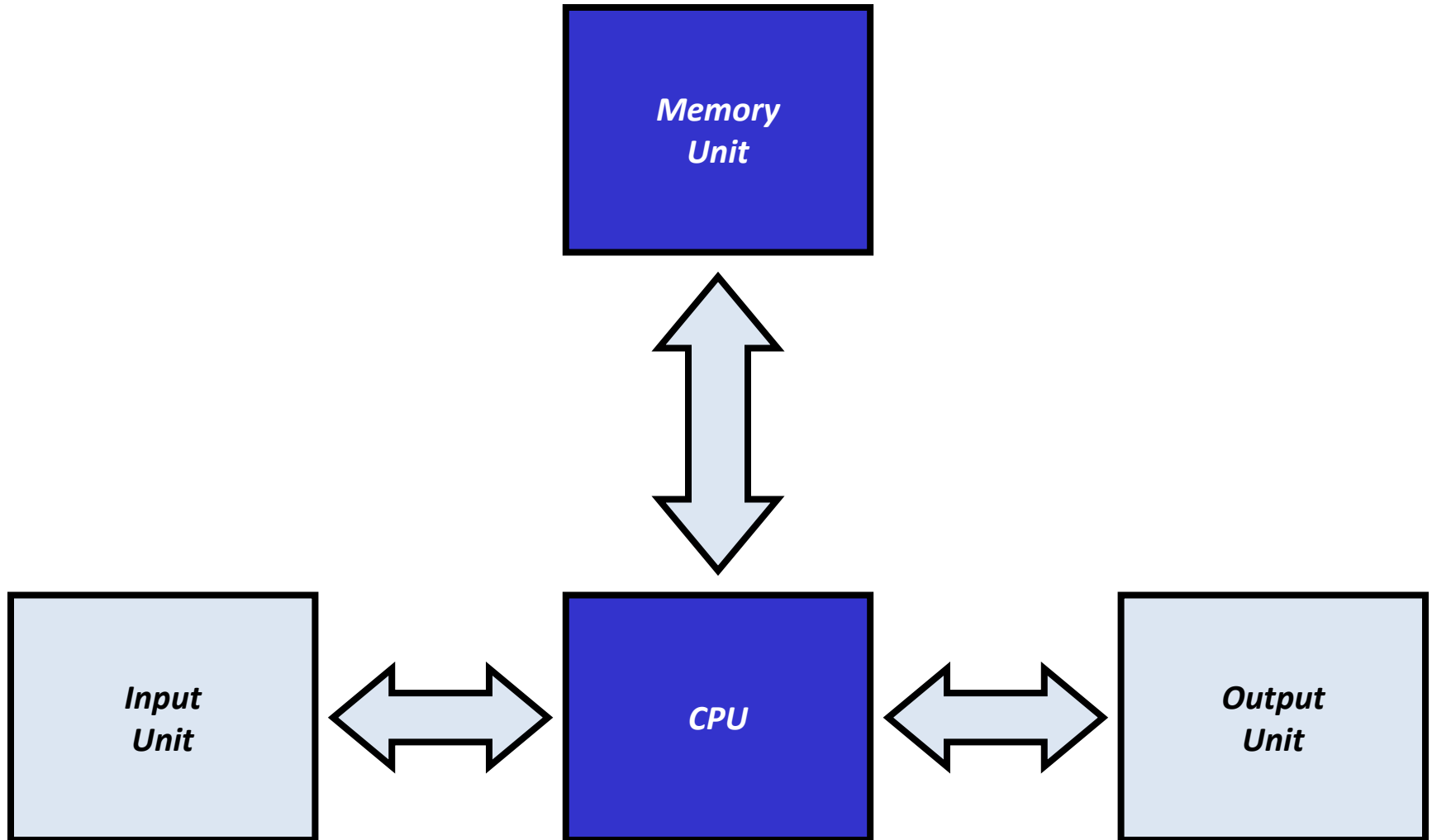
# ***Application areas***

- Consumer electronics
- Automotive electronics
- Aircraft electronics
- Trains
- Telecommunication
- Medical systems
- Military applications
- Authentication
- Fabrication equipment
- Smart buildings
- .....

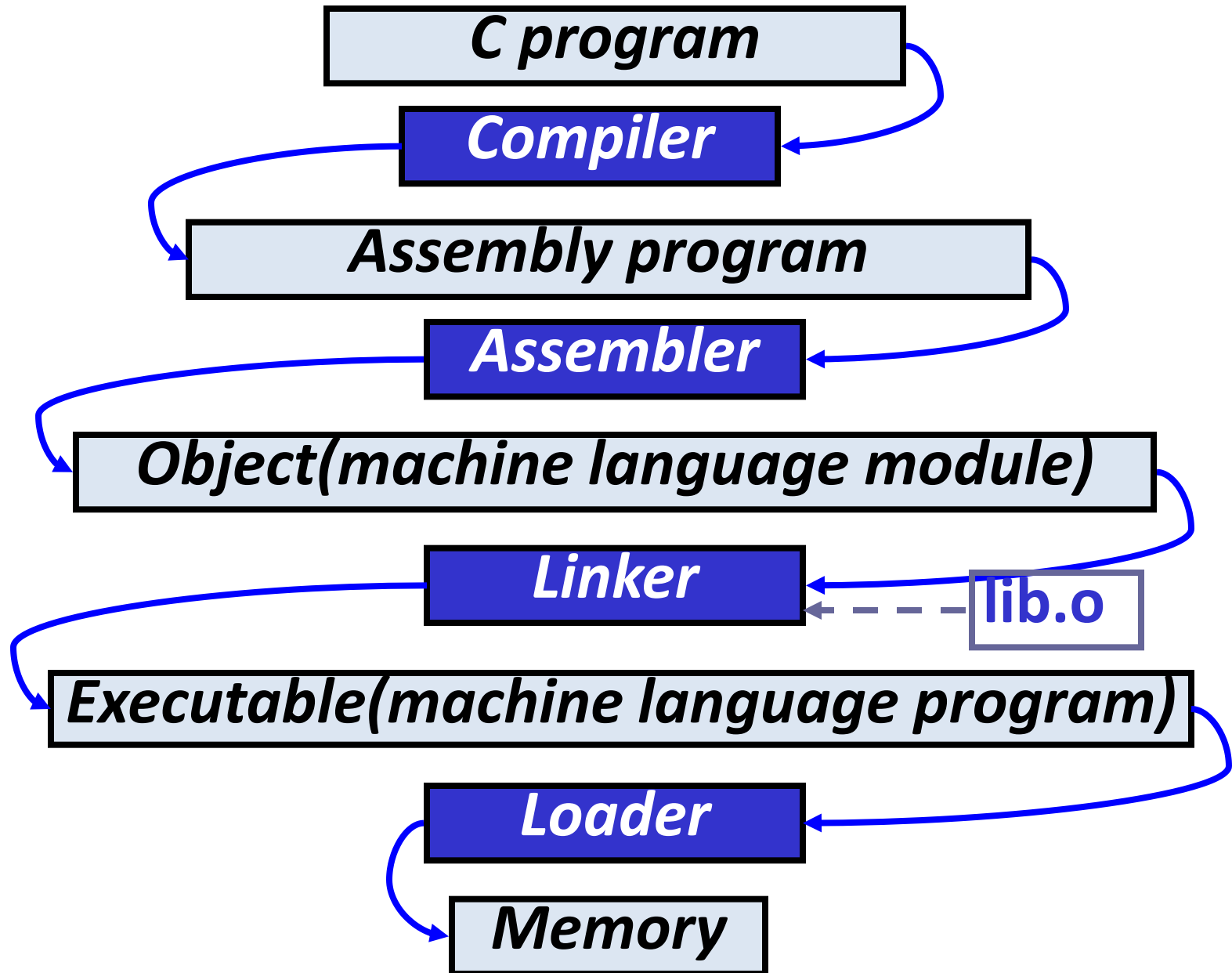
# *Nao*

- Nao robot

# *Microprocessor based systems*



# *From C to executable*



# *Design metrics*

- Size
- Performance
- Power
- .....

# ***Course contents***

- C programming
- C memory management
- C building process
- C optimization



*Thanks*

*Embedded C*