

# **ECE 471 – Embedded Systems**

## **Lecture 32 / 33**

Vince Weaver

`http://web.eece.maine.edu/~vweaver`

`vincent.weaver@maine.edu`

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# Announcements

- Don't forget project
- It would be nice if a group could move up to Monday
- Strict time limits, might want to practice
- HW#11 was posted
- Don't forget to return parts



# Final

- Monday, December 11th, 2:45pm-4:45pm, Barrows 125
- Is cumulative for whole class, but concentrates on material since midterm, and \*No assembly language\*
- Know the definitions of an embedded system and be able to say if a certain machine meets them.
- Know hard/soft/firm realtime
- Know the benefits/downsides of an operating system

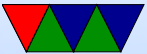


- Security/Code Quality – mostly be aware of what things can go wrong if you are not careful when coding
- Embedded busses – know the relative tradeoffs between i2c, spi, and 1-wire. Mostly speed, distance, number of devices
- Power/Performance like HW11
- Give you some C code from one of the homeworks, comment it



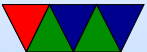
# Chiptune Demo

Gave a sample project presentation



# 6502 Assembly Demo

Gave a sample project presentation

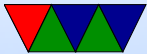


# perf demo

Gave a sample project presentation



# Live Demo of perf





# Live Demo of optimization

