

# Operating Systems

Nipun Batra  
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# Google Classroom

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Question: What all OS' have you used?

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Any major change in recent OS?

# Why Study OS?

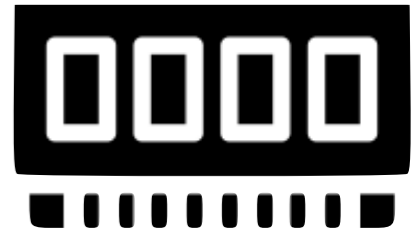
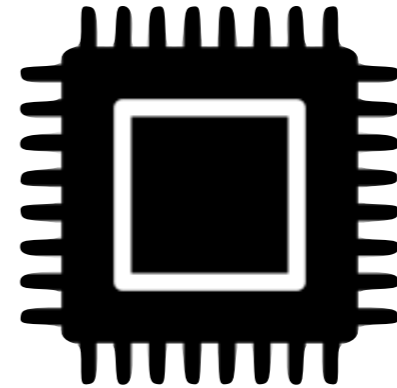
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- “Systems” bucket - important branch of CS
- Use it everyday - Gratitude towards those who made our lives easier!
- Application of DS, Algorithms
  - Heaps, Stacks,...
- Placements?! :)

# What is an OS?

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Hardware



Applications



Users



Discussion - What happens if I start Pages/  
Word in the middle of this presentation?

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2 OS interfaces with hardware using easy interface

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OS manages resources - CPU, Memory, Disk, Peripherals

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  1. Can cause problems!
3. Persistence : Store data permanently

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4. **OS-Fun** Can you do something to make `top` show a better name than just `Python3.6`? Can you do it for a C program?



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3. See the activity monitor
4. Run vmmap



# Logistics

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Course Website has all details

<https://nipunbatra.github.io/teaching/os-fall-19/index.html>