

# Environment Setup

(Python)

# Why do we need a DS environment?

Think of it as a woodshop for data...

- Uncertain inputs



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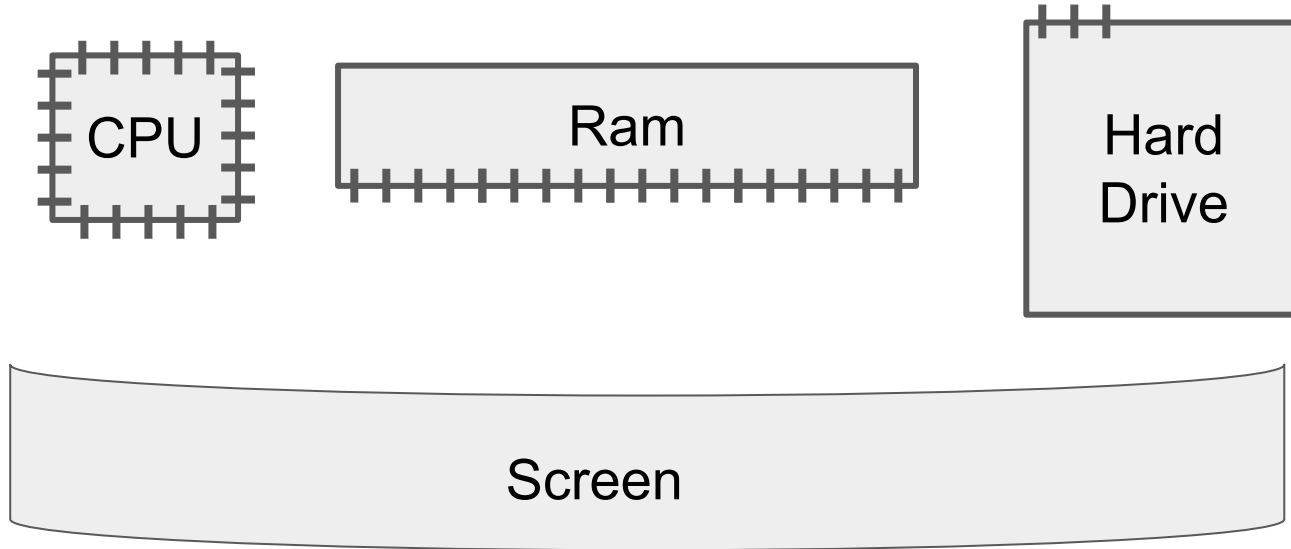
- Uncertain outputs



# Why do we need a DS environment?

Think of it as a woodshop for data...

- Uncertain tools (total metaphor failure)



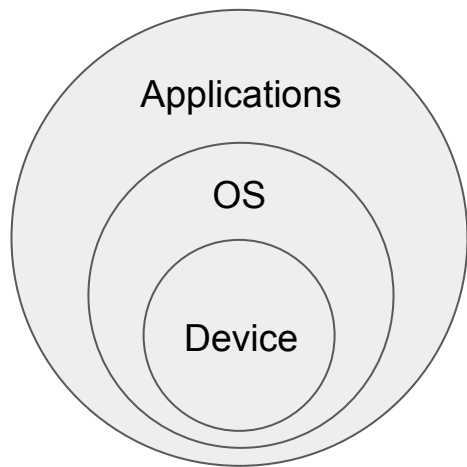
# History of computer “workshops”

Layers... Like onions...



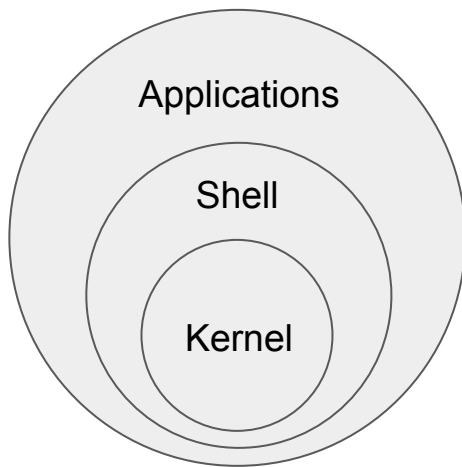
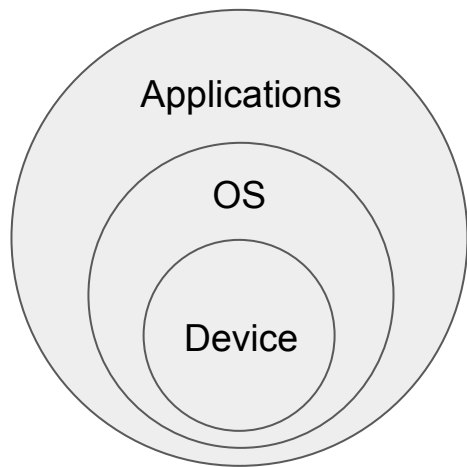
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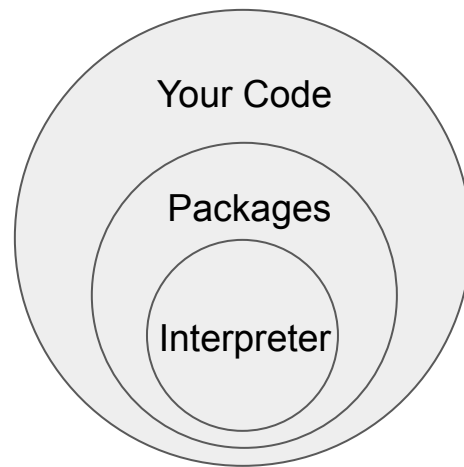
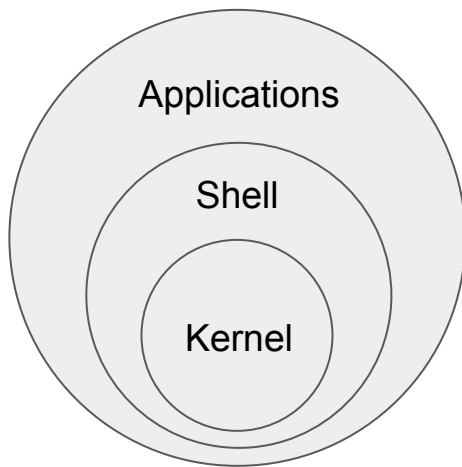
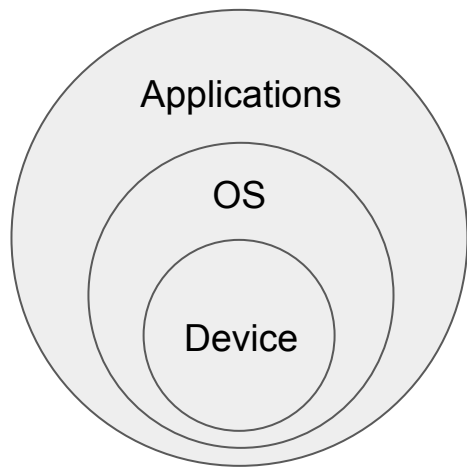
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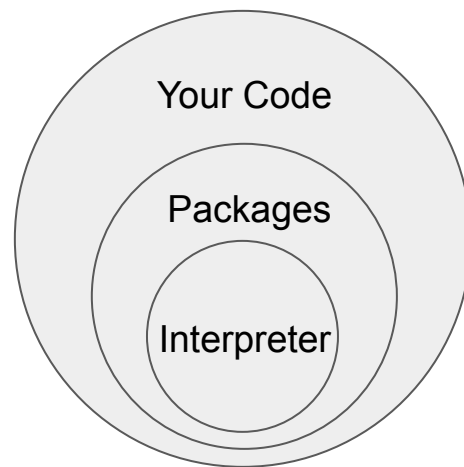
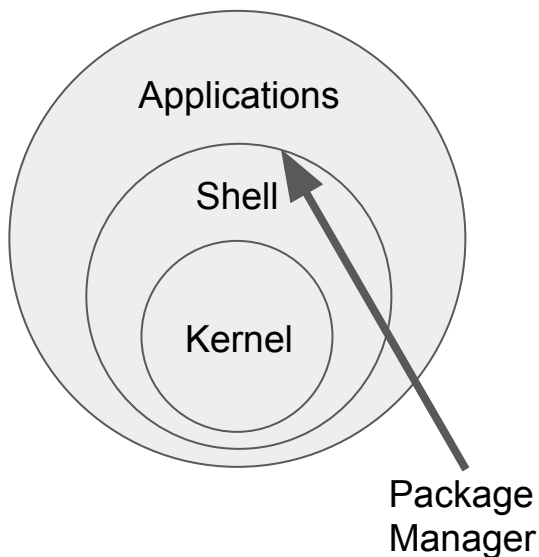
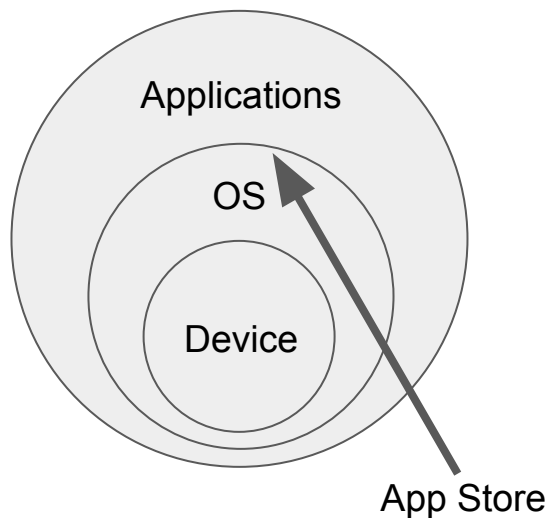
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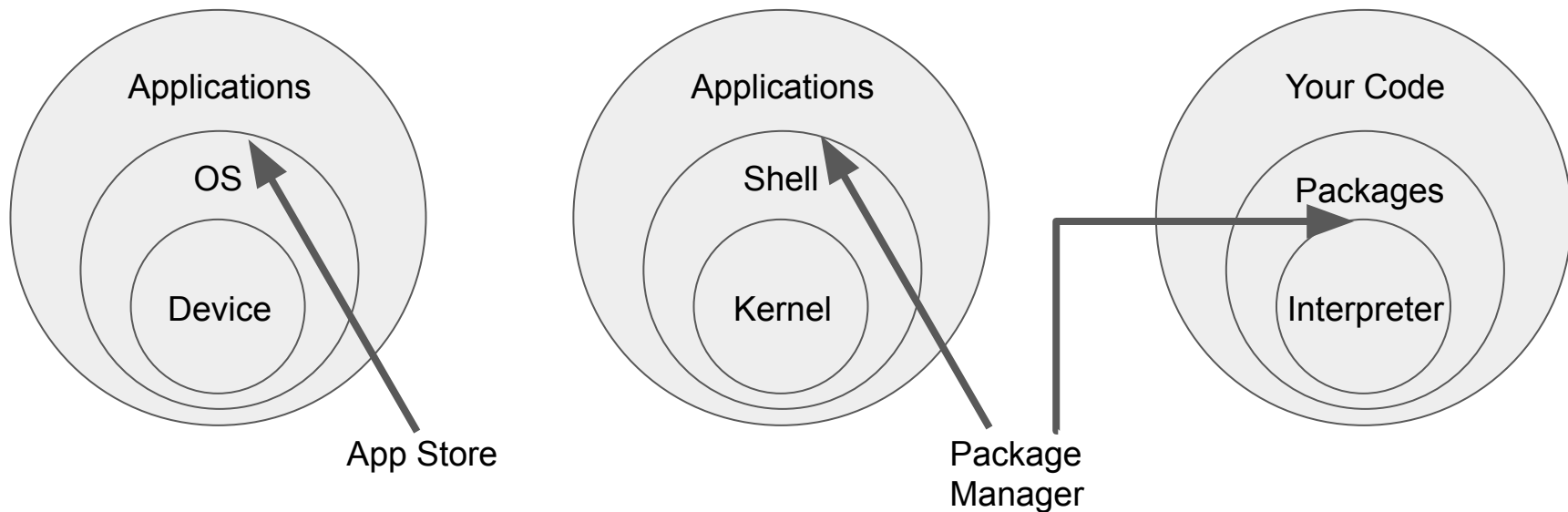
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# History of computer “workshops”

Layers inside of layers

- Virtual Machines
- Emulators
- Environments (python)
- Virtual Private Network

# What are the tools?

- Interpreters
- Package Managers
- Linters
- Integrated Development Environment (IDE)
- 'Notebooks'