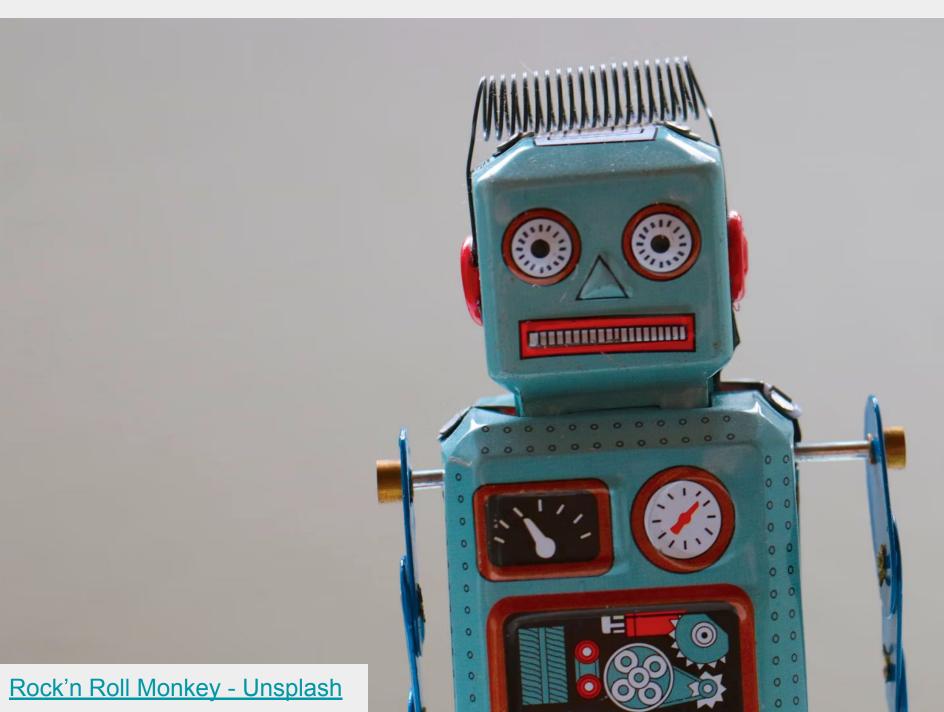
## bash scripting – intro

Adapted from materials by Dr. Carrier



Recall: What is bash?

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What is a bash script?

A list of commands to execute with bash

Why would we use a bash script?

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Automating tasks – makes things simple

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#### Quick note

Bash script != batch script

Batch scripts are a windows thing (similar idea)

These are just text files. Generally end in .sh

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chmod u+x file.sh

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Create, modify, and save your file in a text editor

Each line is a command

We need execute permission on this file! How?

To run:

./file.sh







#! something goes here



#! something goes here

This is the first line of our script

Tells system what program to use to run script



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Why would we do this?



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Tells system what program to use to run script

Why would we do this?

- Portability User just executes file, doesn't need to know what other command to use
- Running bash scripts from other shells

# Shebang!

Common examples for bash:

#! /bin/bash

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What is the difference?

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Not just limited to bash!

#! /usr/bin/env python3

#### A note for Mac users

You probably want to update bash

brew install bash

You'll have a different path from before

Example: #! /usr/local/bin/bash

#### Leaving notes

Even in simple scripts, it can be useful to leave comments

Comments here start at a # and continue to the end of the line

- Shebang is an exception