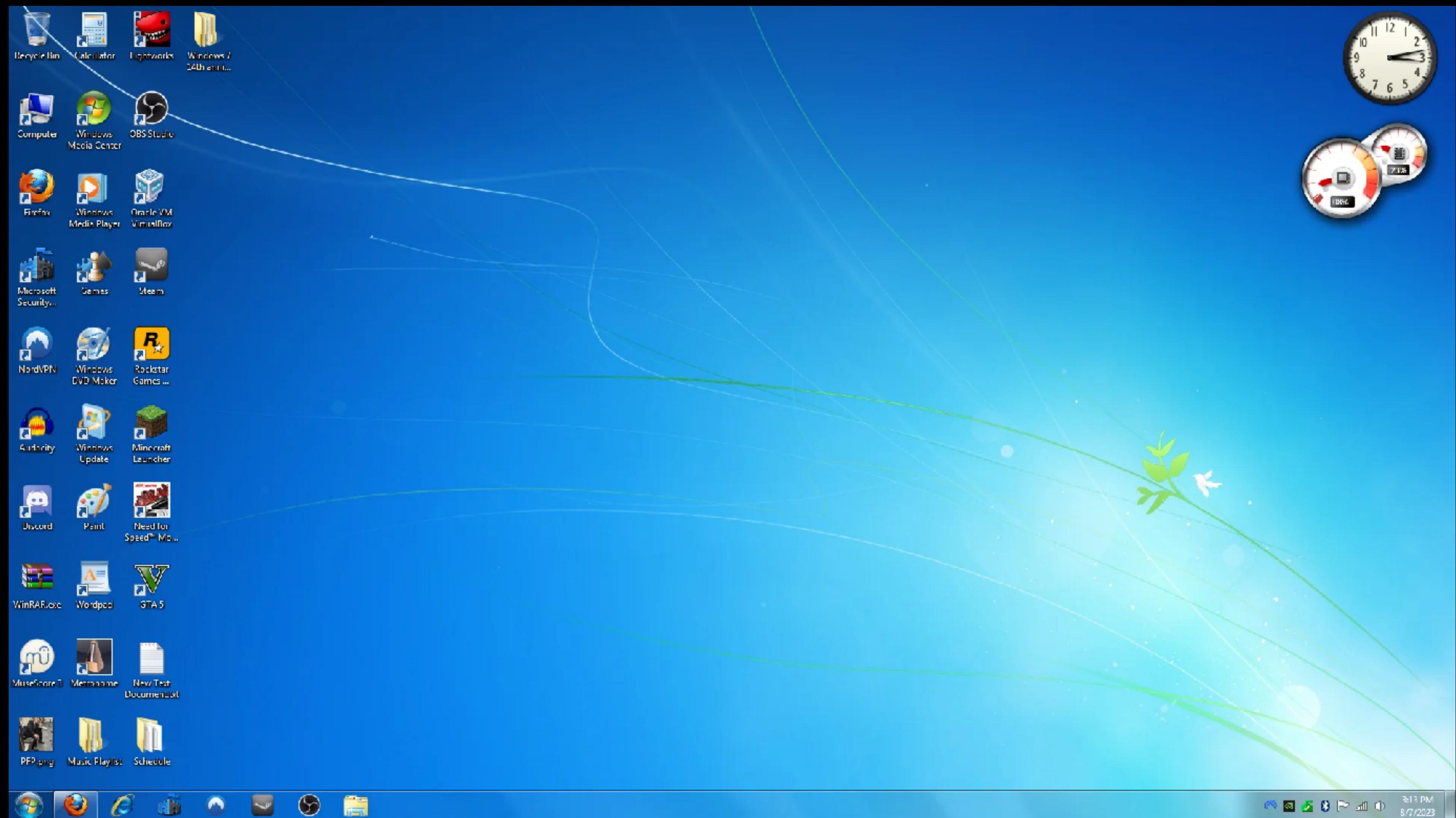
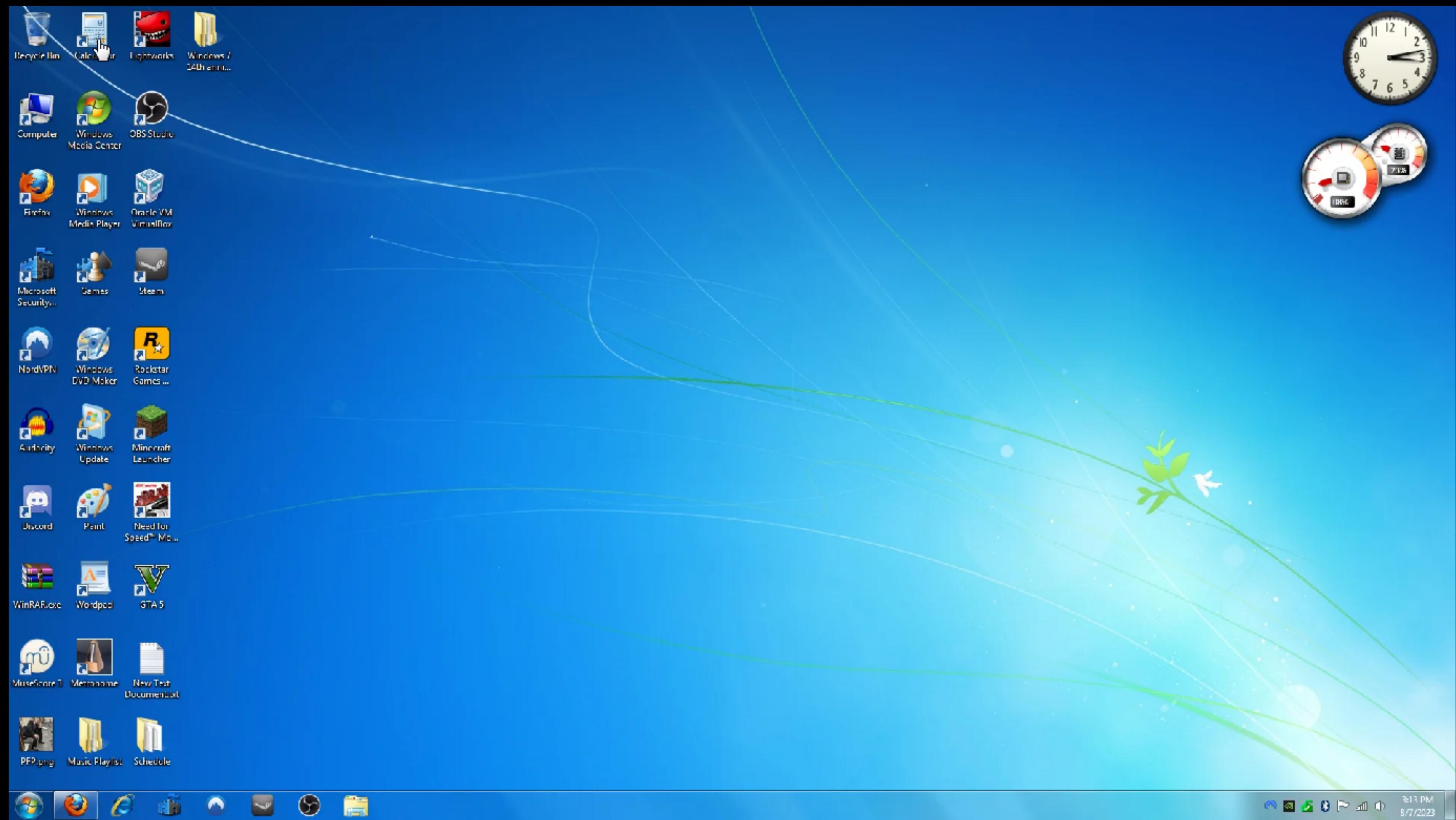
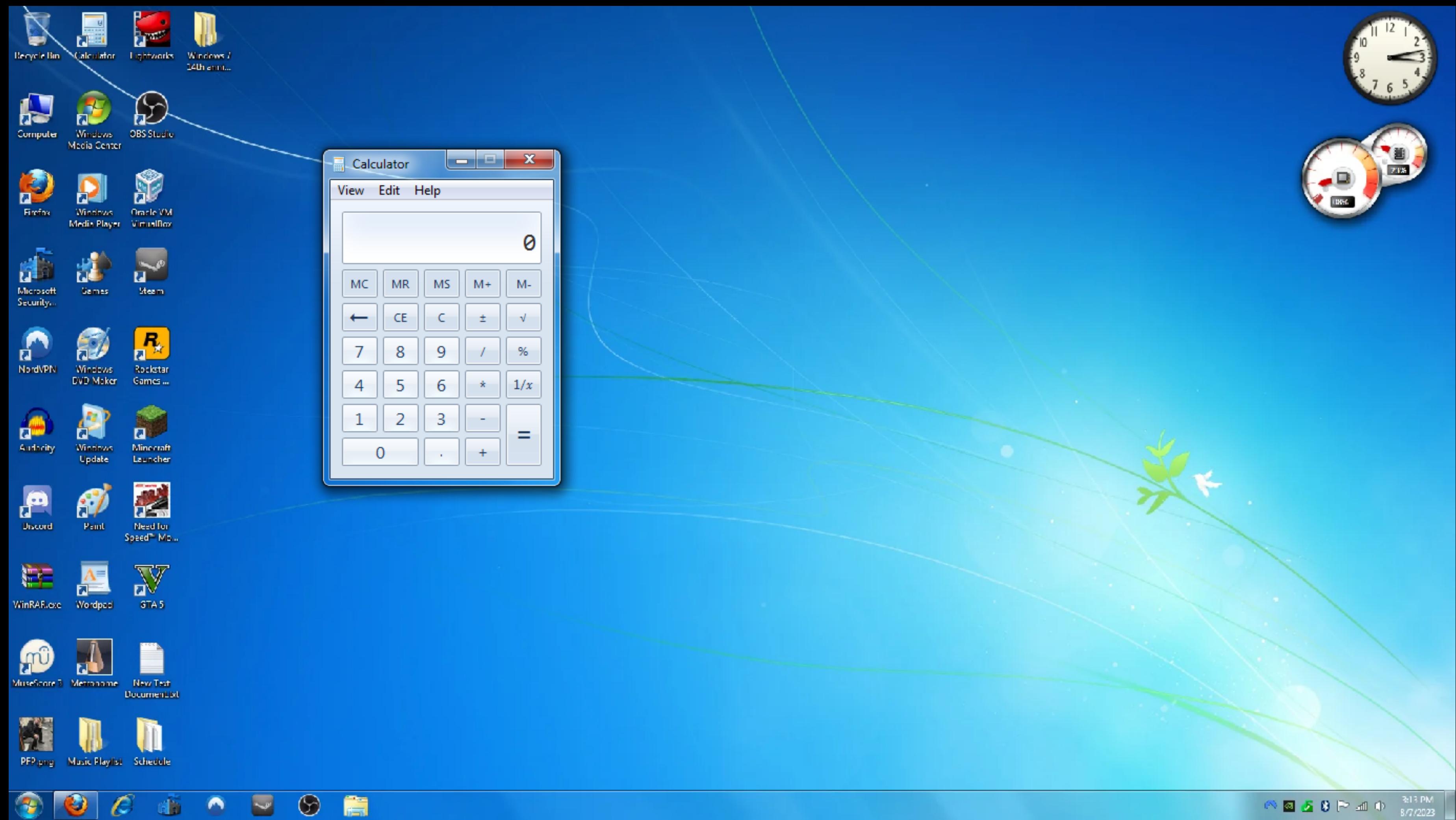


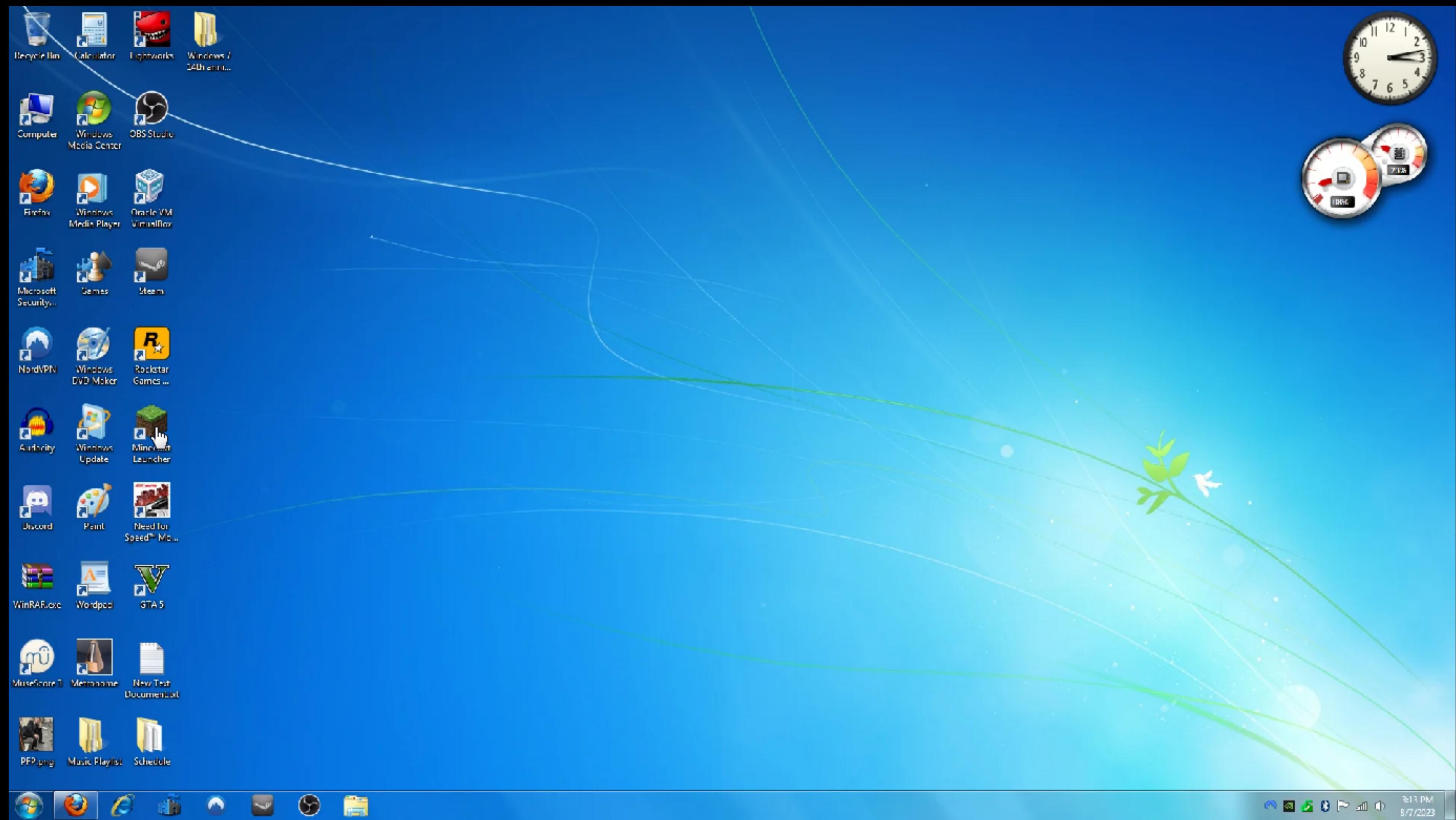
Terminal, bash, remote basics

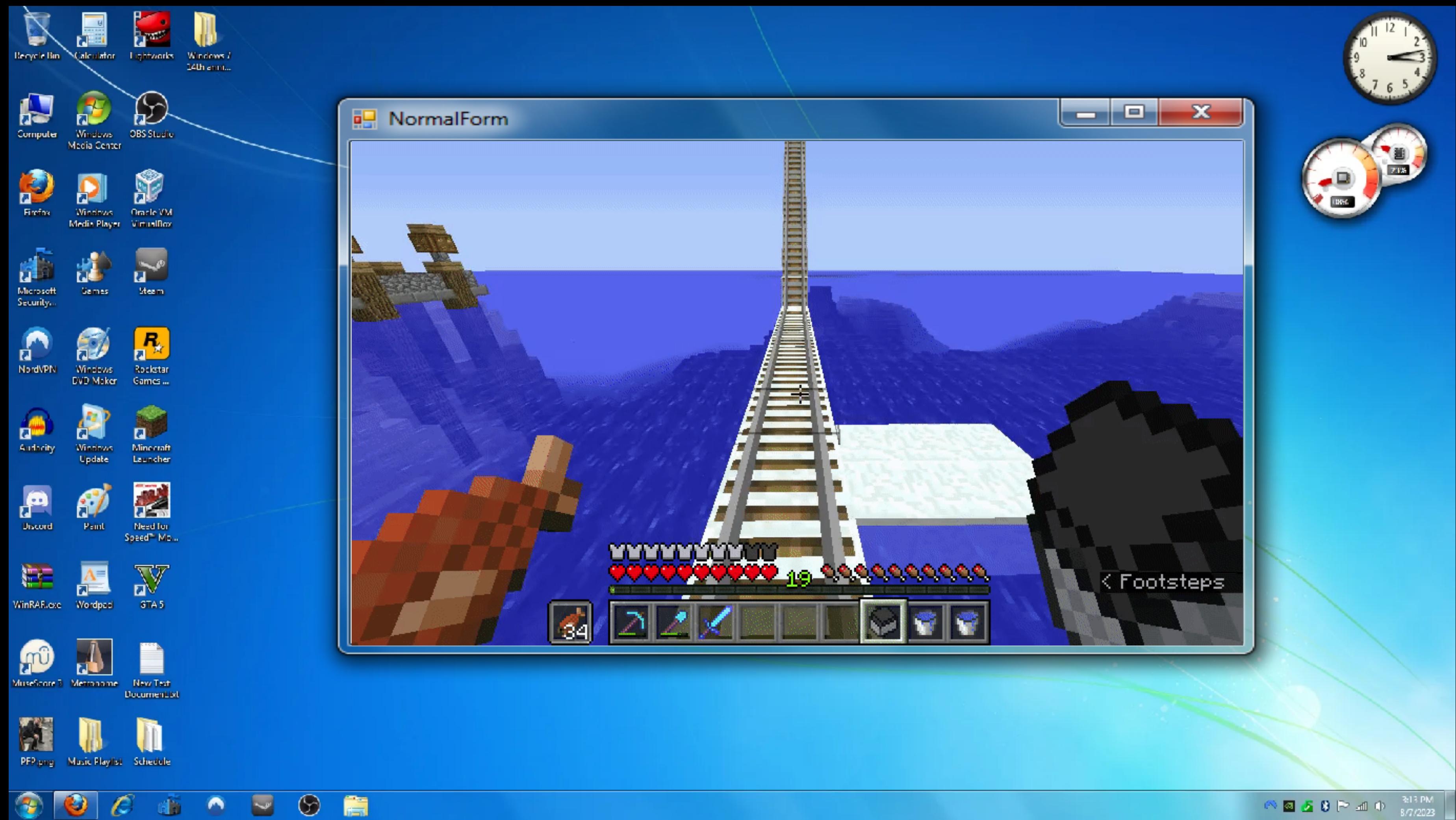
Rosetta REU Code School 2025 – Zack Mawaldi



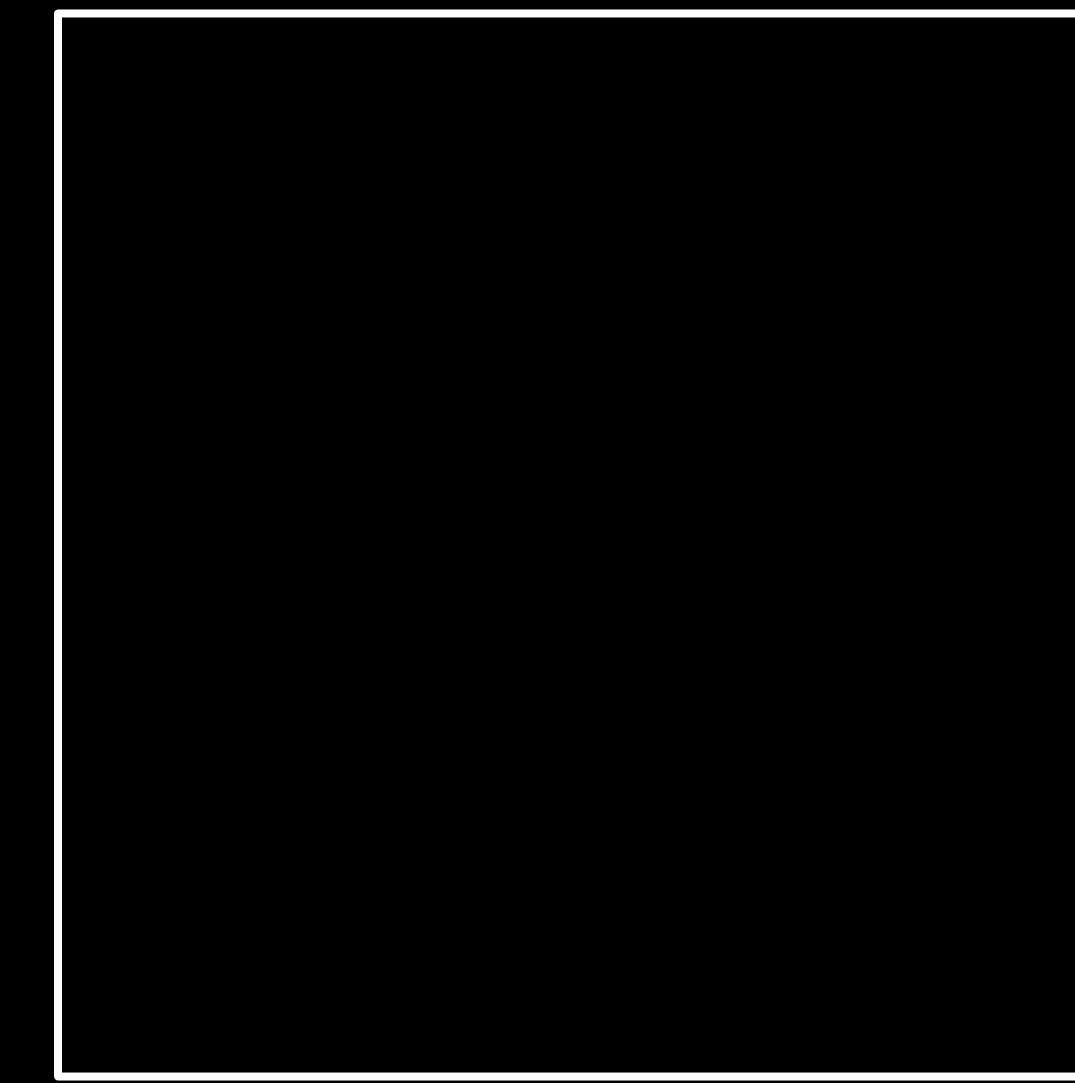






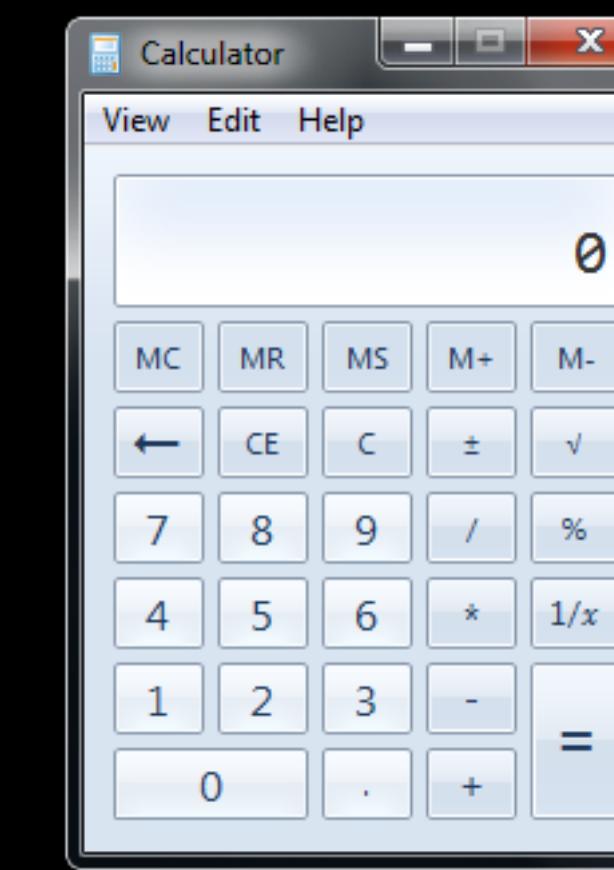


input →



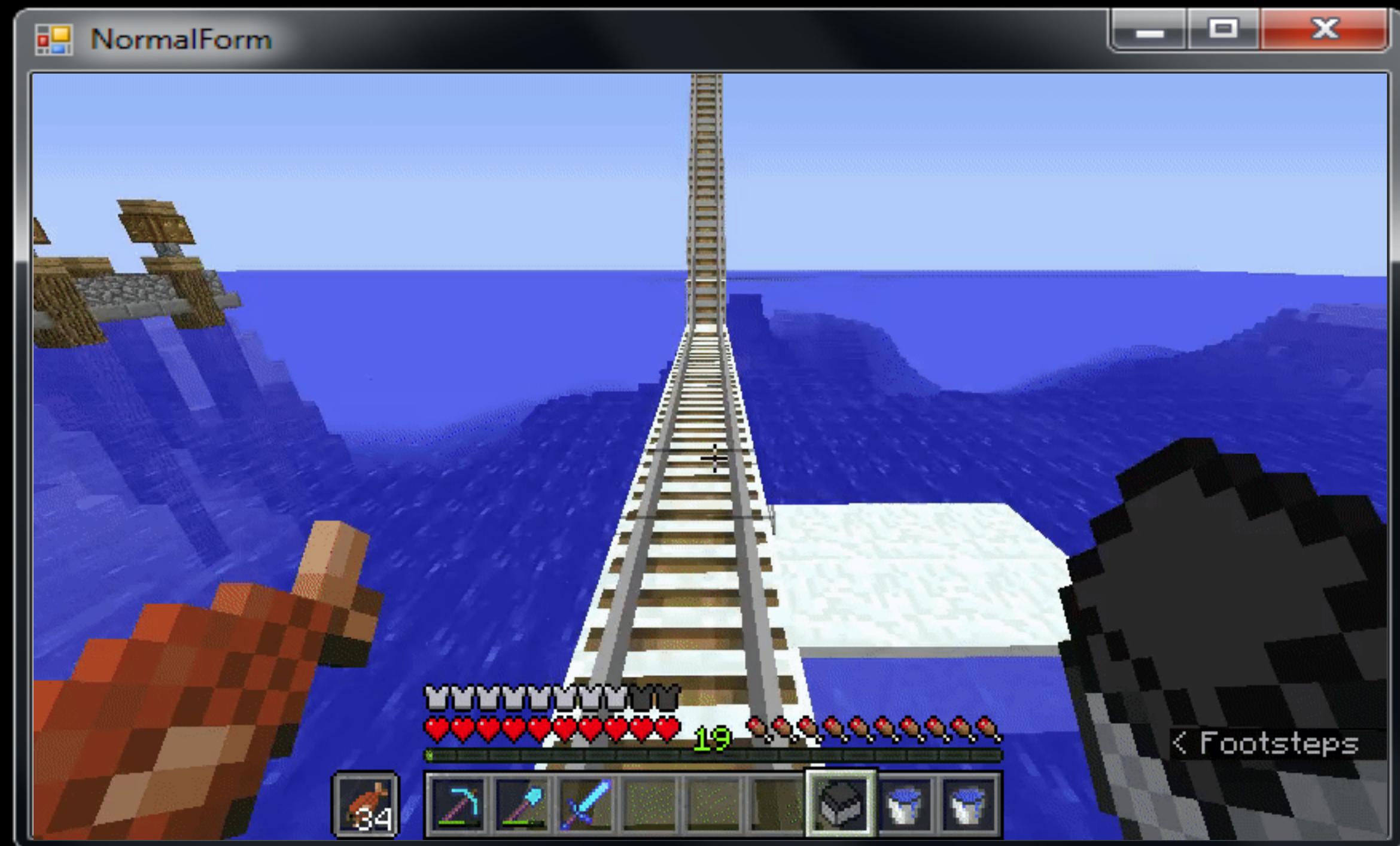
→ output

input →



→ output

input →



→ output

$1+1$
input →

```
if 1+1  
show 2
```

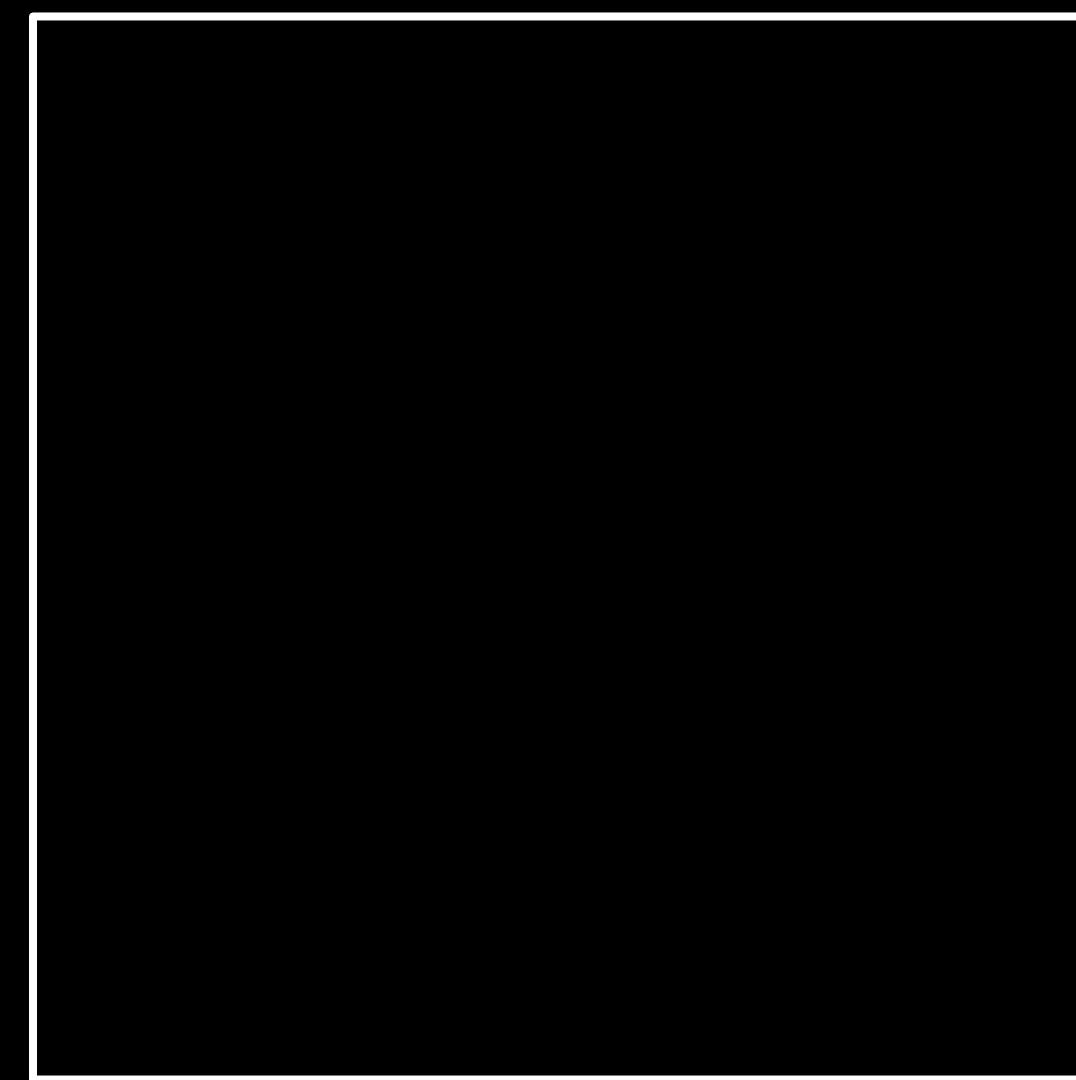
2
→ output

Press ↑
input →

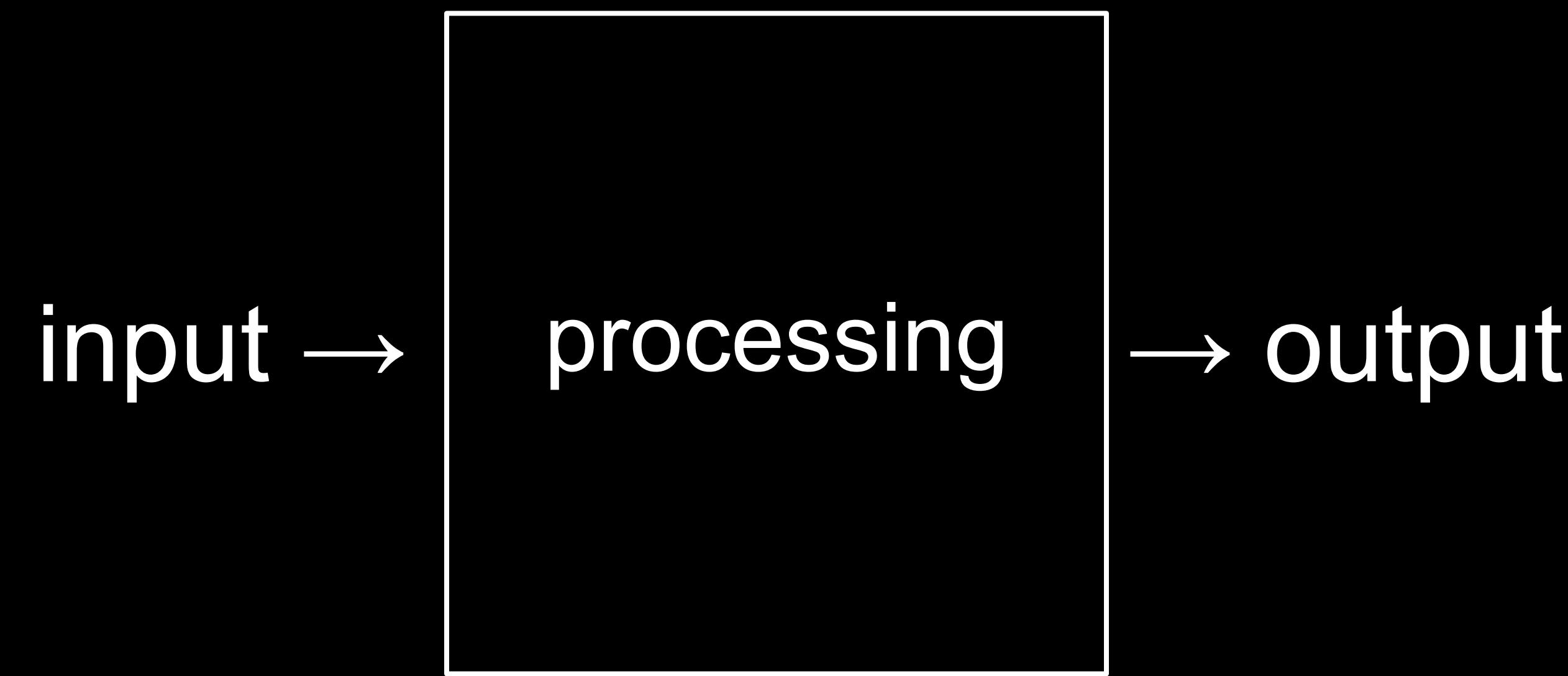
if ↑ is
pressed
move play
forward

Show new
position
→ output

input →



→ output





input →

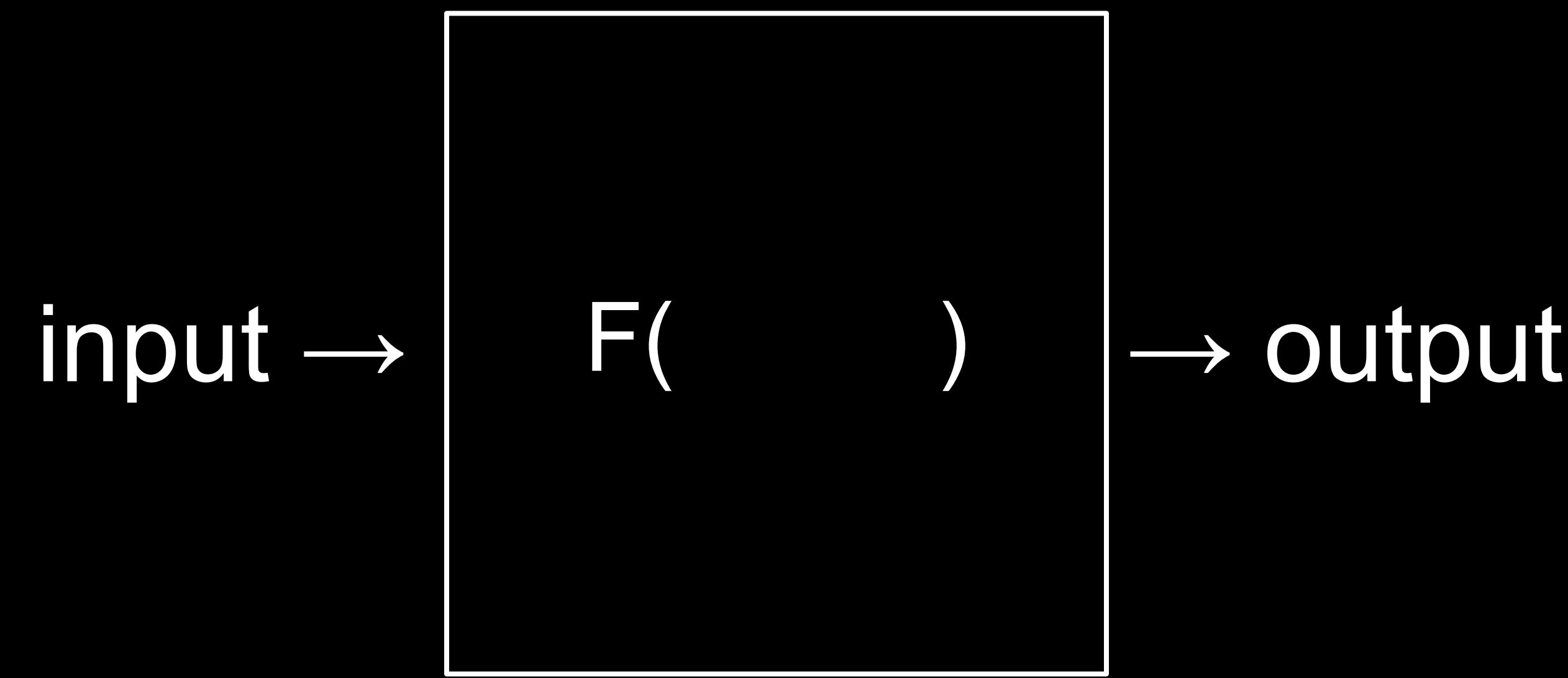
instructions

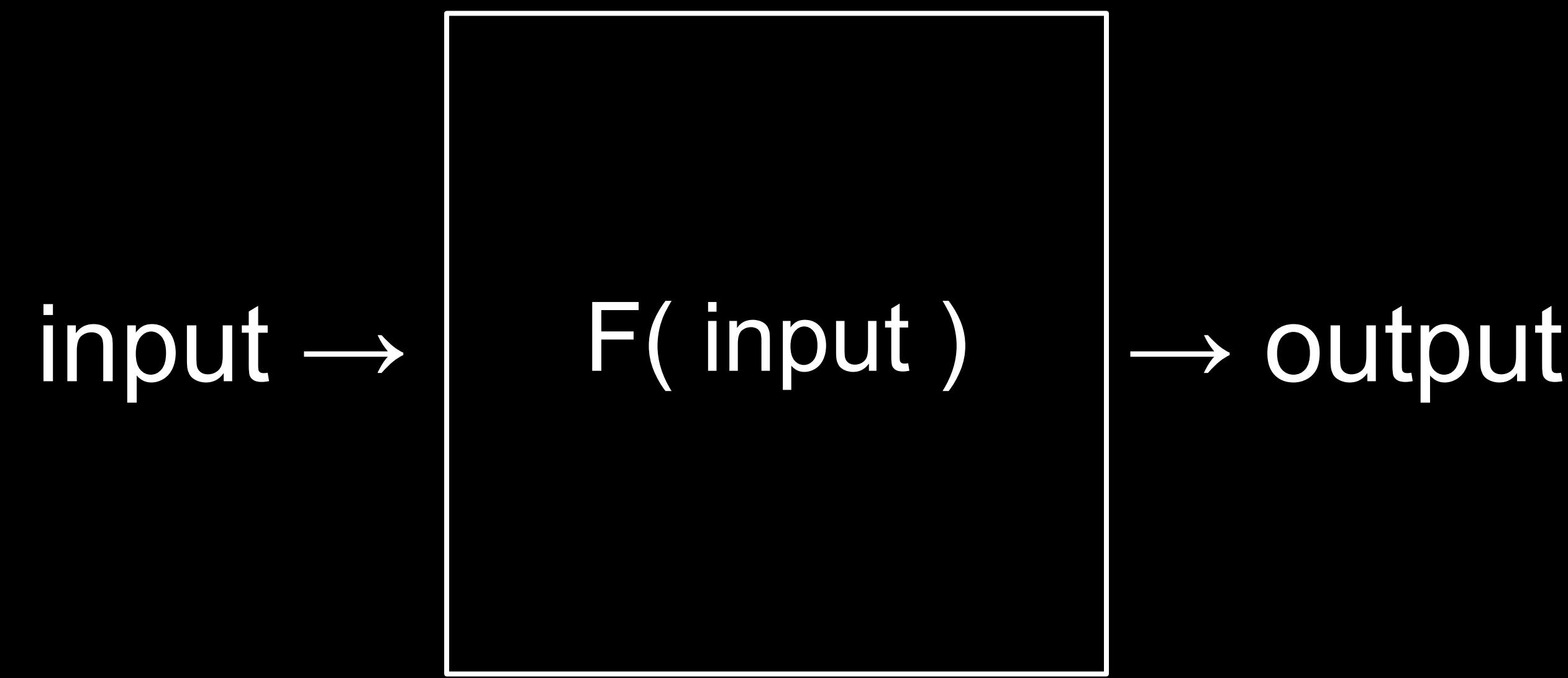
→ output

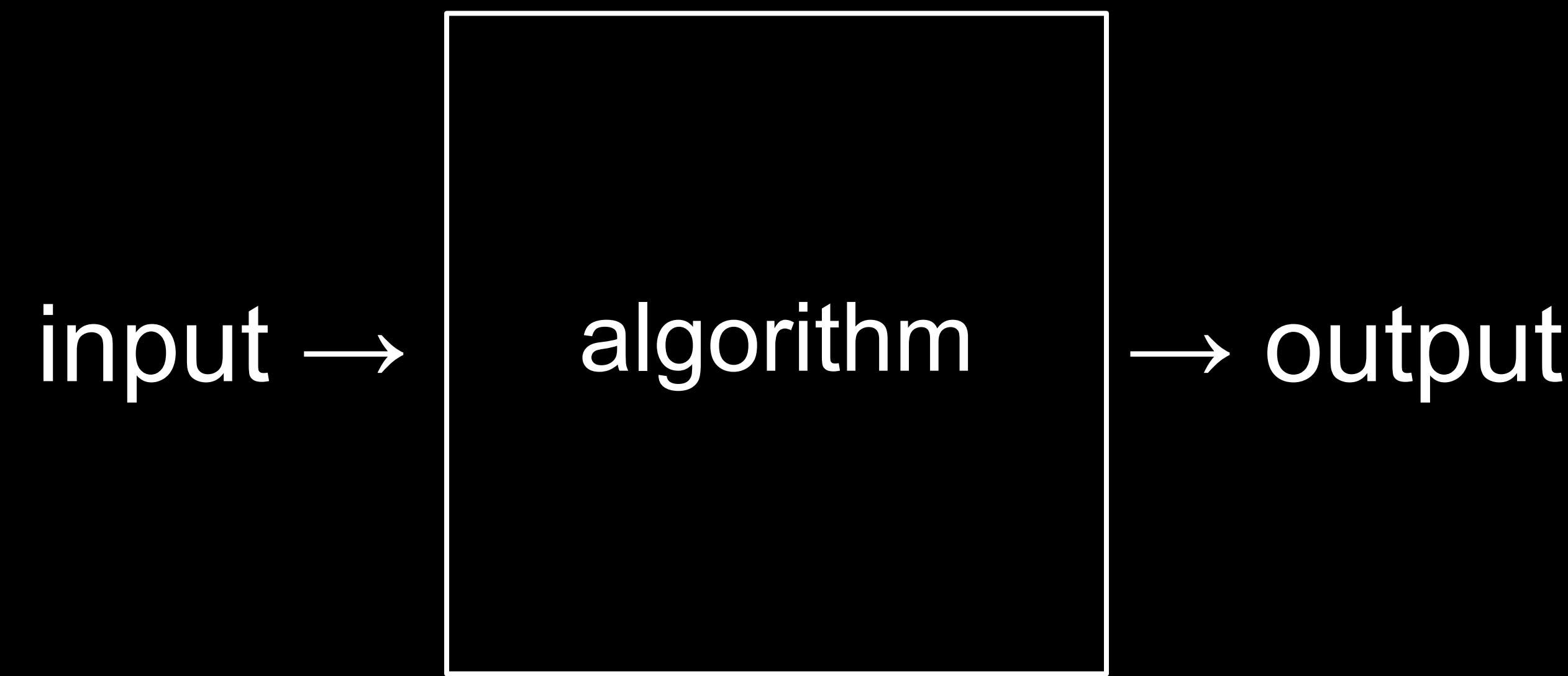
input →

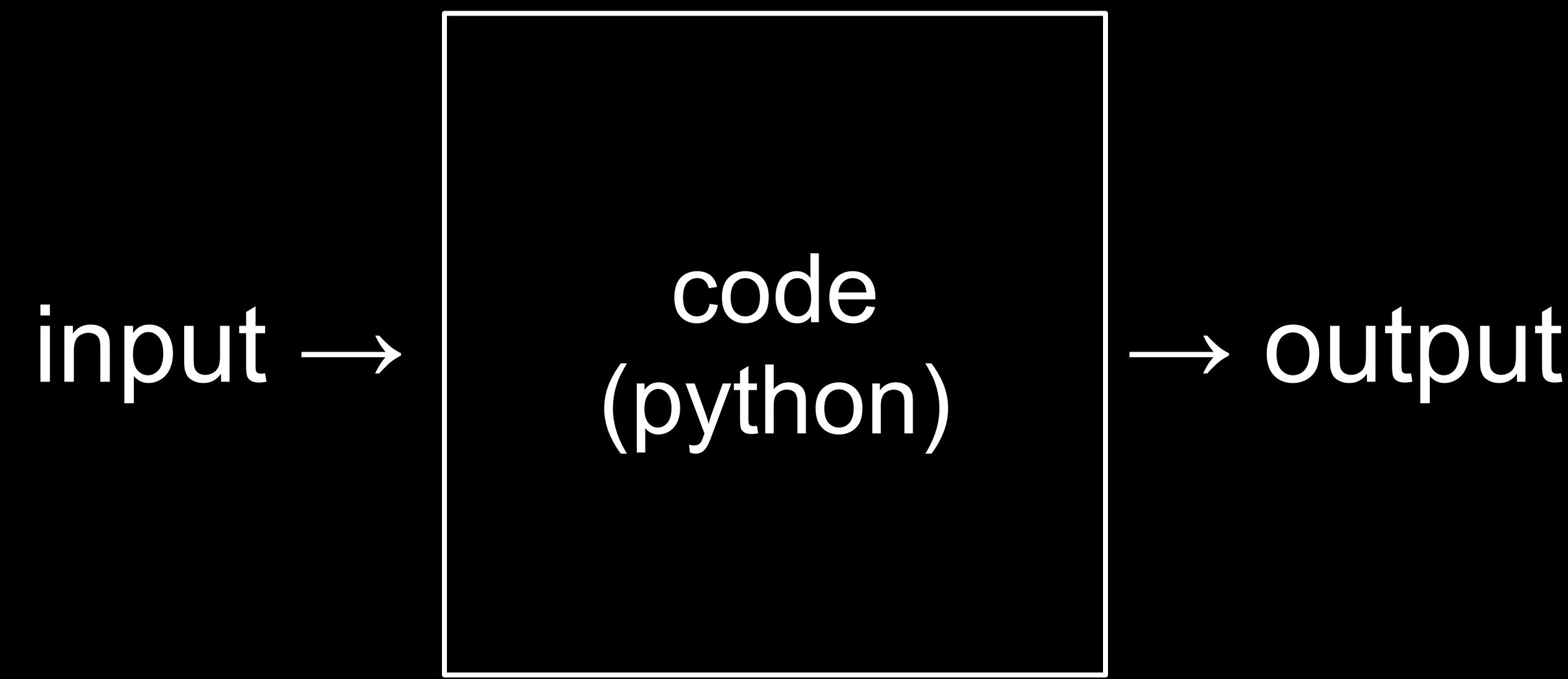
steps

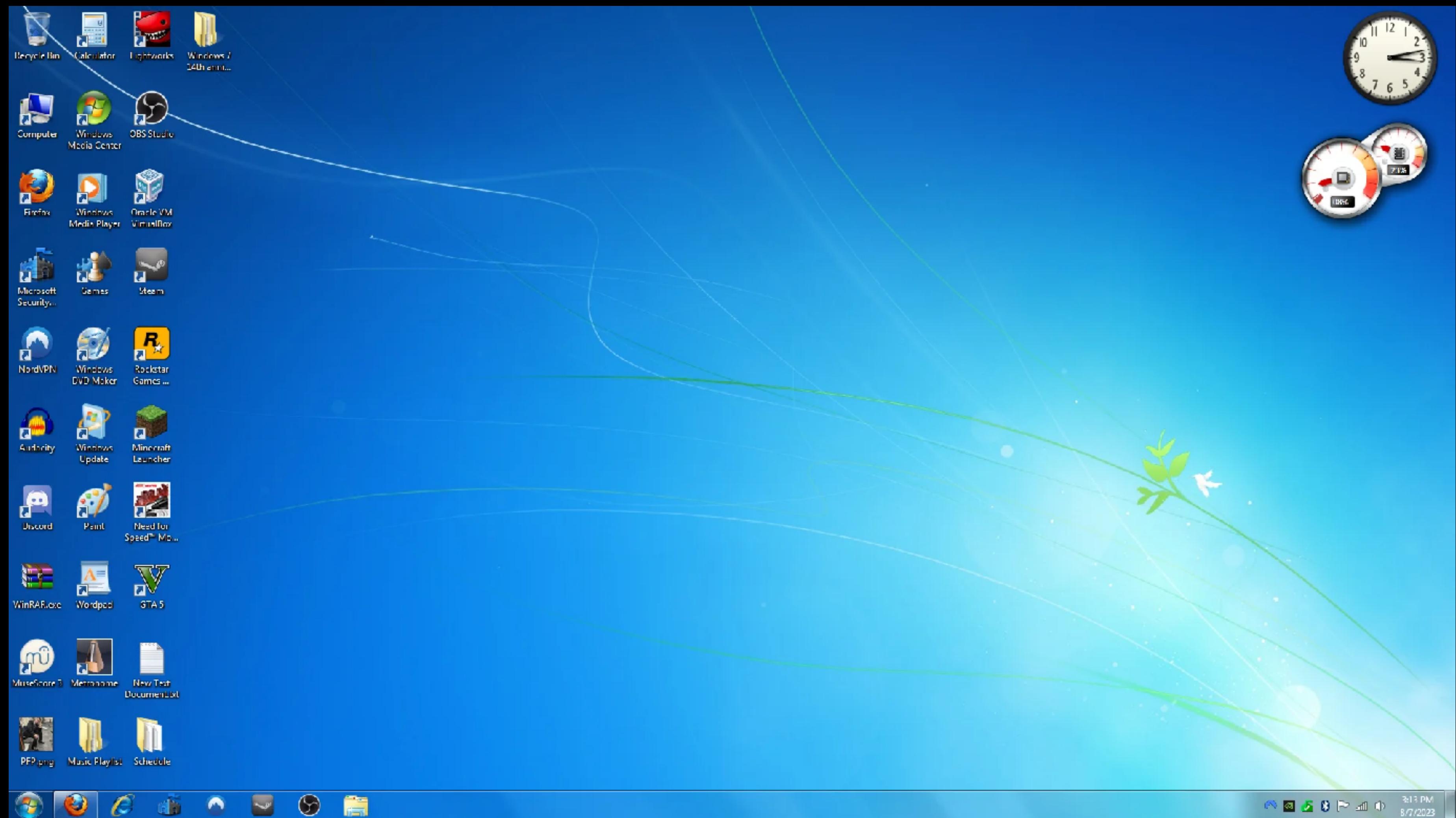
→ output



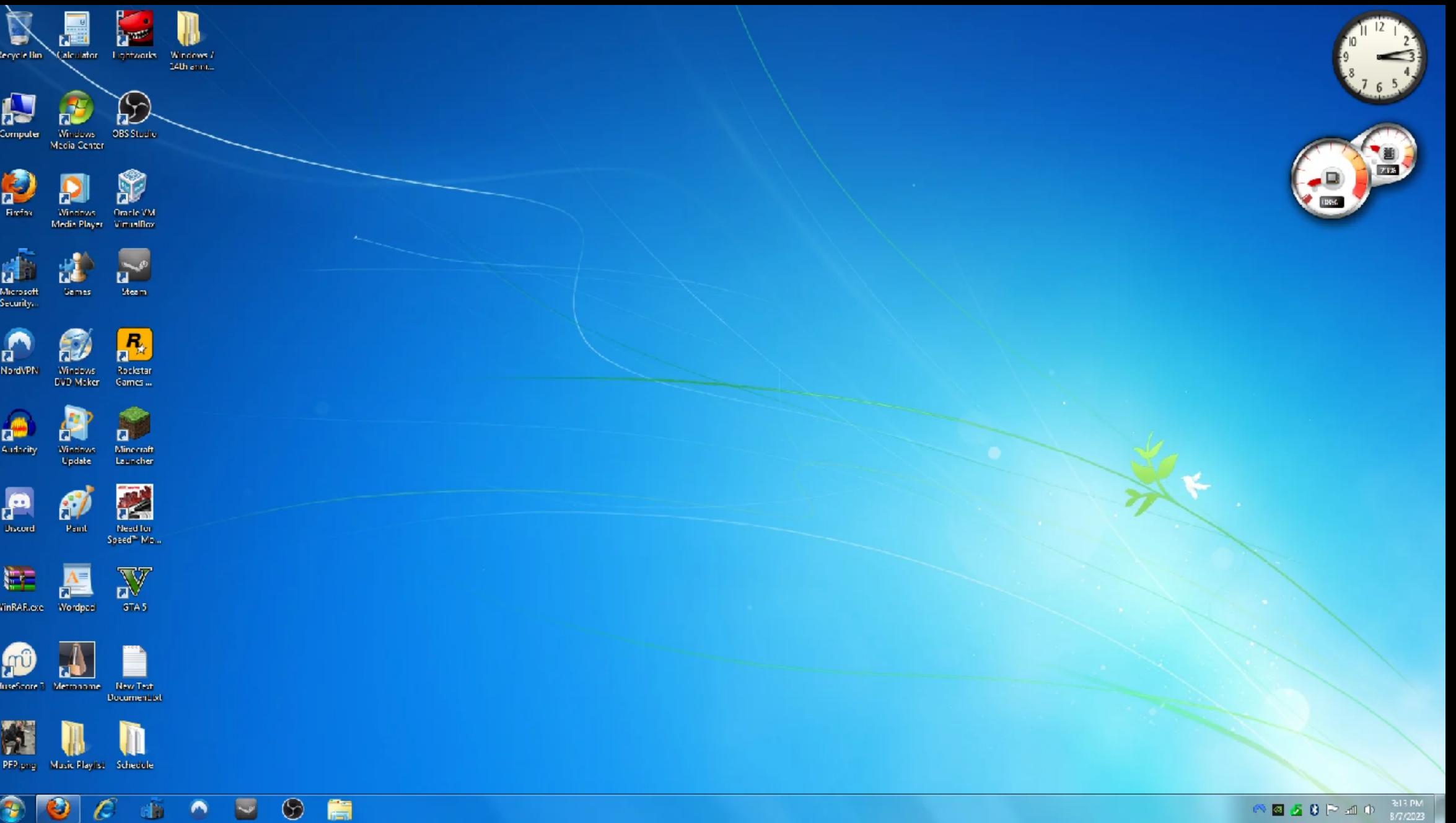








input →



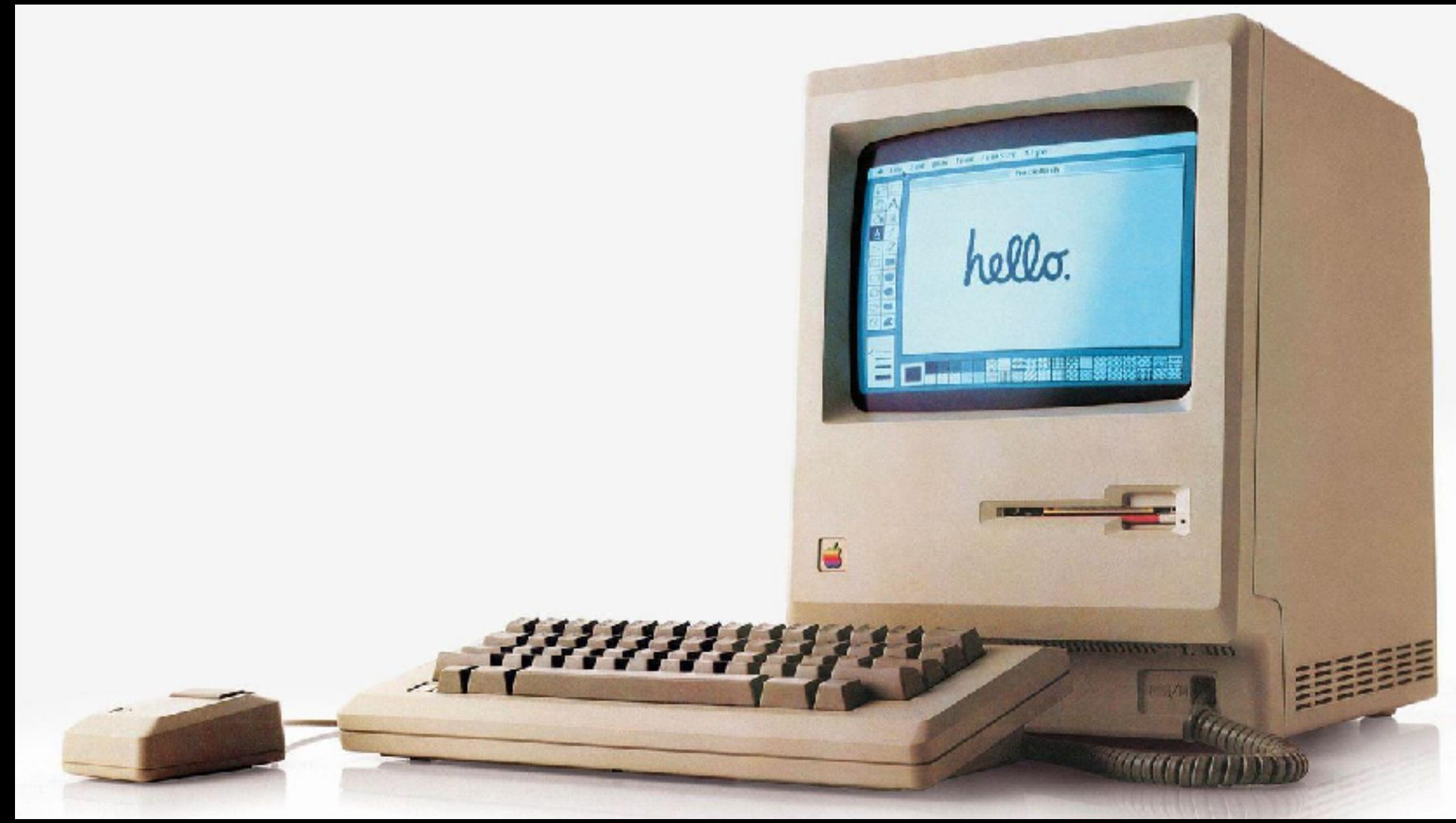
→ output

input →



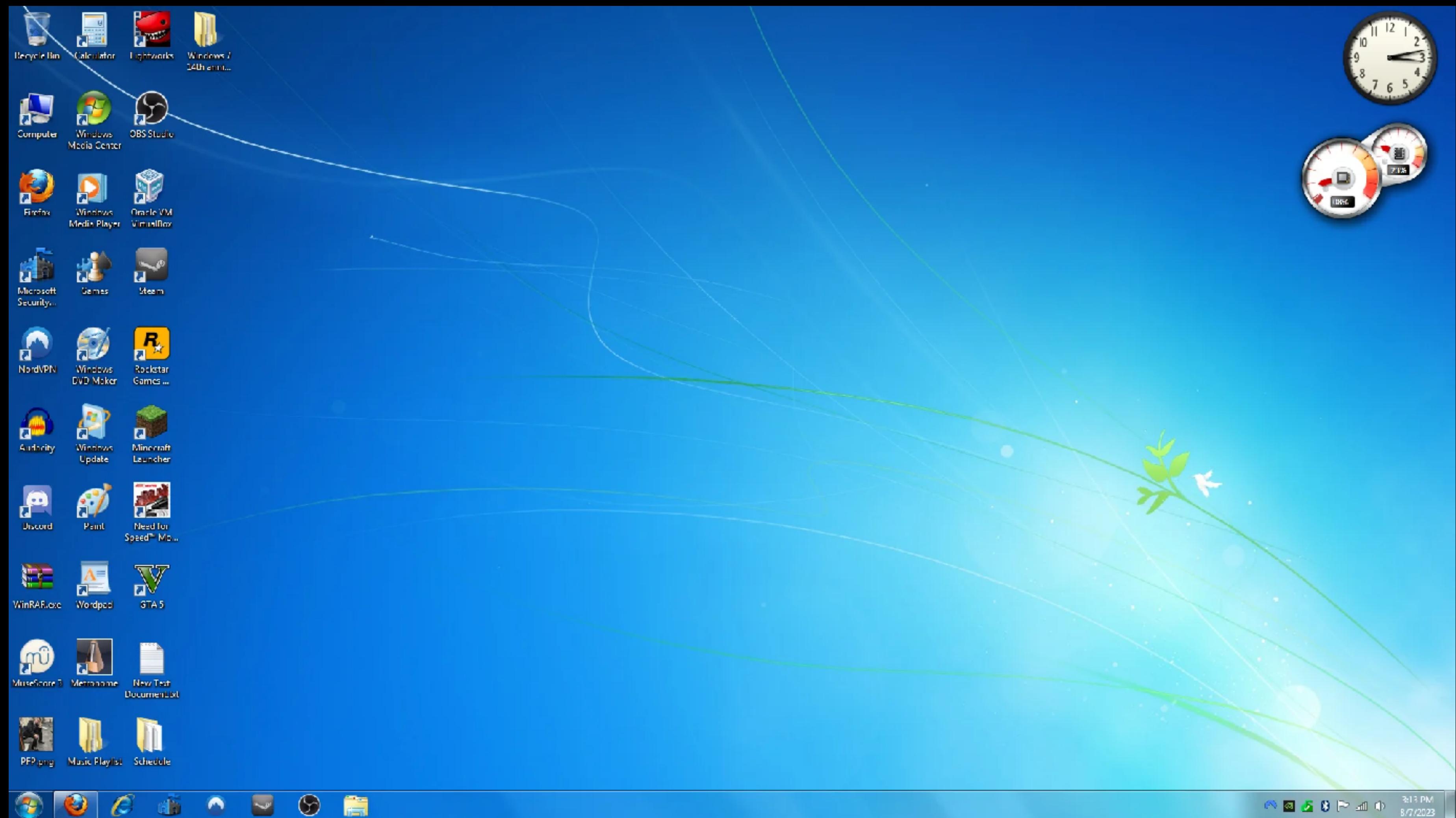
→ output

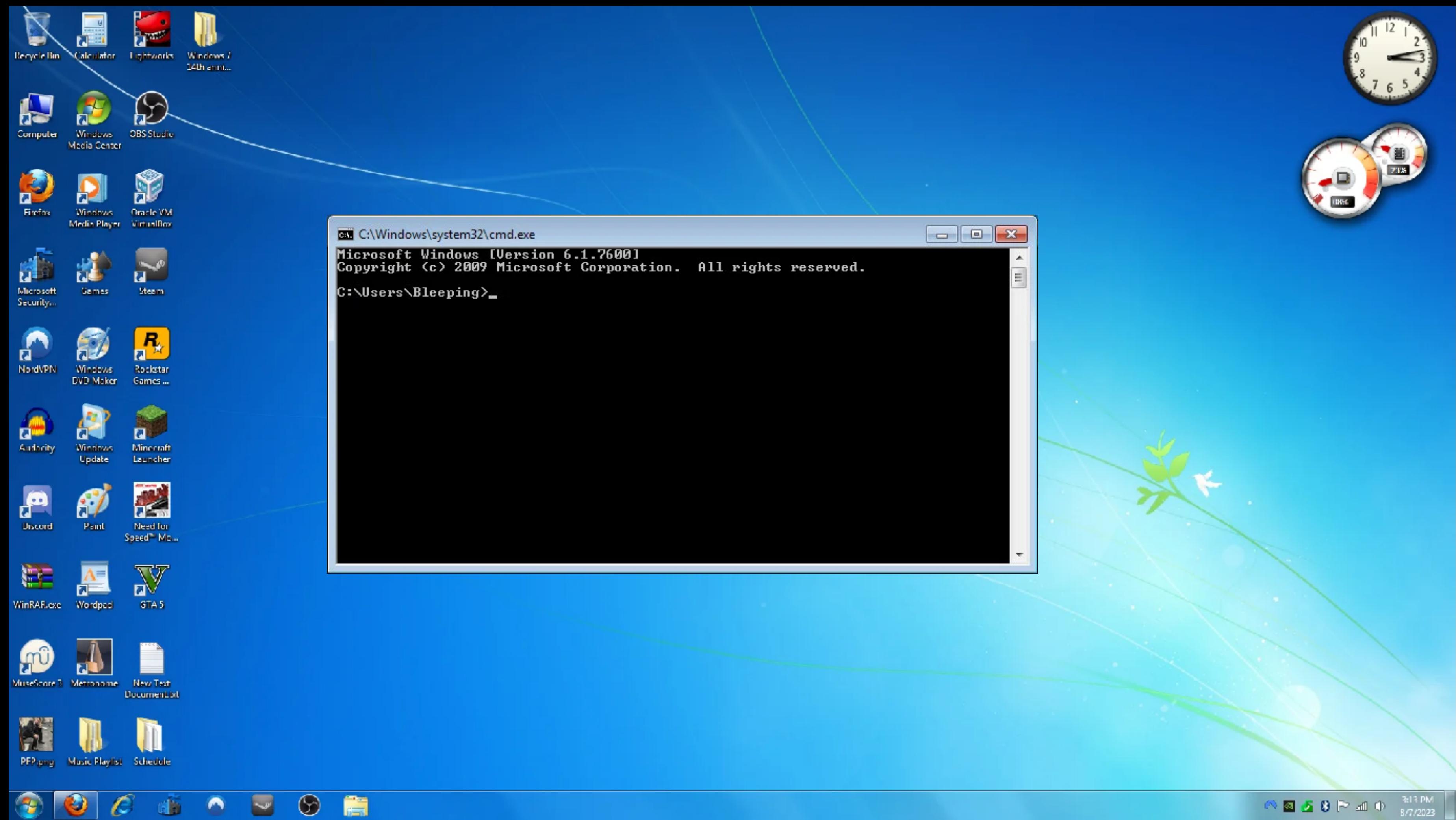
input →

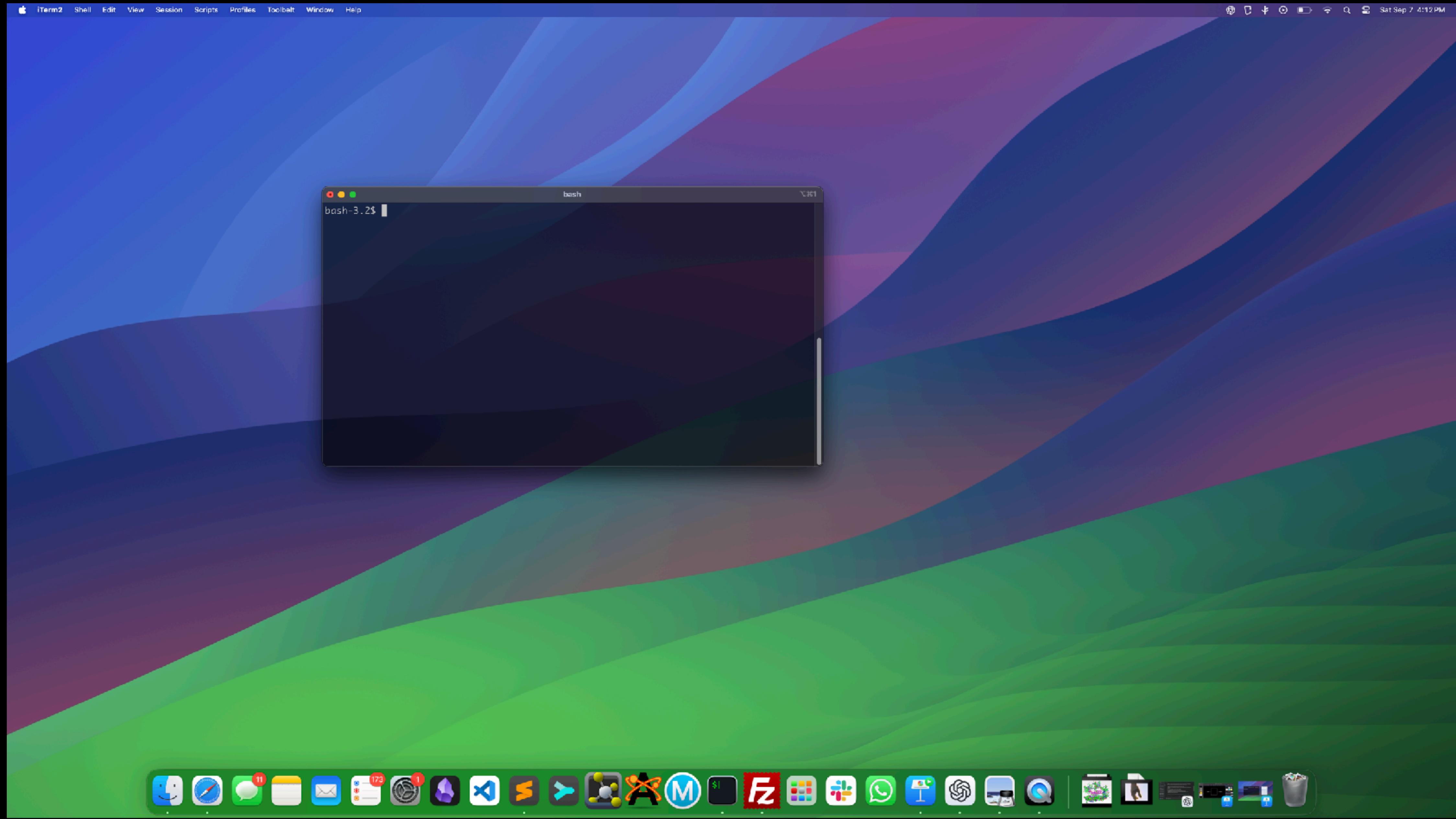


→ output

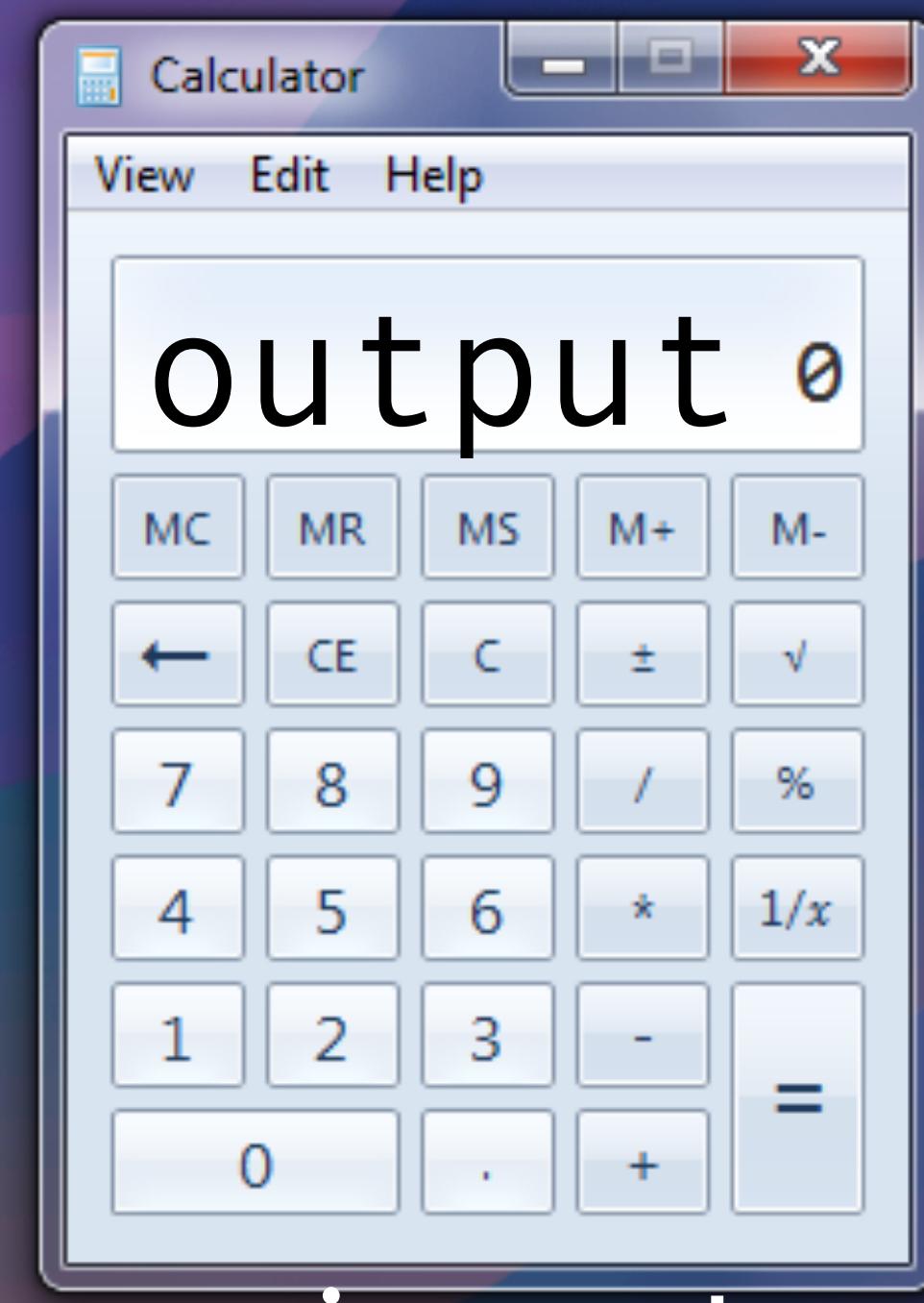
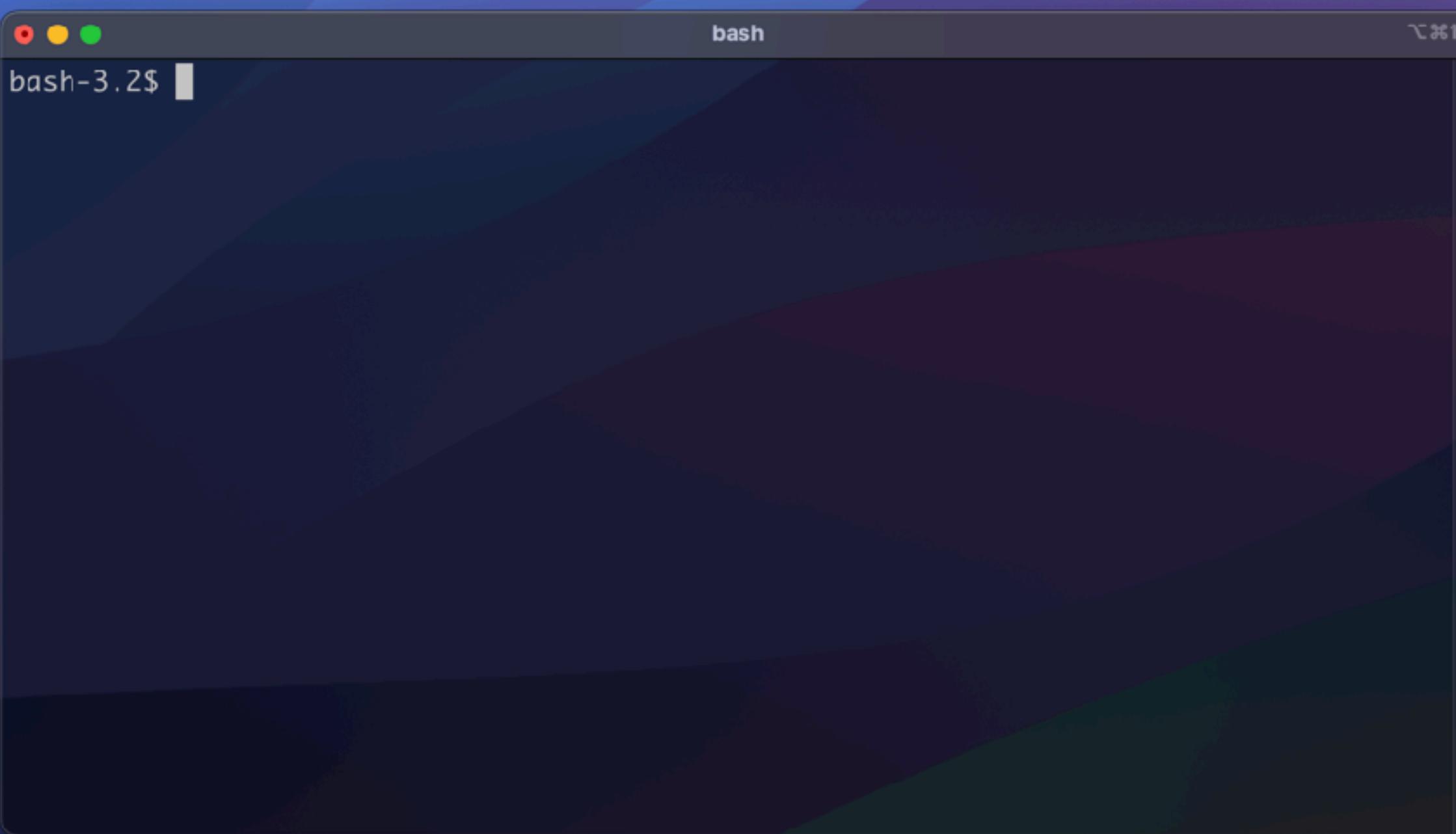






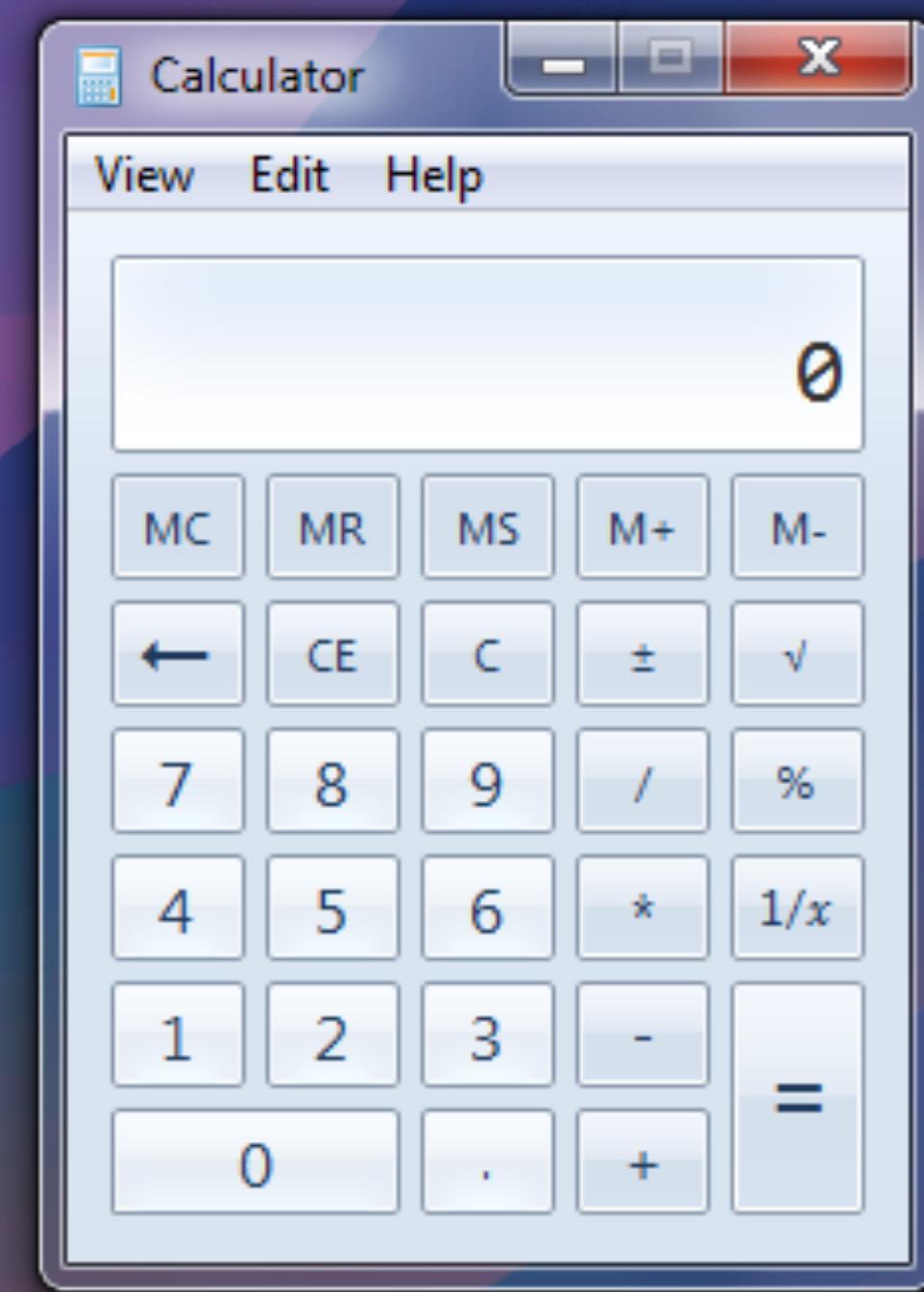


program



input

A screenshot of a Mac OS X desktop environment. In the center, there is a terminal window titled "bash". The window contains the following text:
bash-3.2\$ program input
output
bash-3.2\$ █



Follow along –

High-Performance Compute (HPC) Cluster



High-Performance Compute (HPC) Cluster



High-Performance Compute (HPC) Cluster



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Cluster Specifications

Overview

Compute nodes:

510

Physical cores:

18796

GPUs:

235 GPUs on 61 GPU nodes (88/22 GPUs/nodes are communal and 147/39 GPUs/nodes are prioritized for GPU contributors)

RAM:

48-1512 GiB/node

Local scratch:

0.1-1.8 TiB/node

Global scratch:

703 TiB

User home storage:

500 GiB/user (770 TiB in total)

Group storage:

6.5 PB

Number of accounts:

1434 of which 384 are approved for PHI

Number of projects:

731

High-Performance Compute (HPC) Cluster



High-Performance Compute (HPC) Cluster



High-Performance Compute (HPC) Cluster



High-Performance Compute (HPC) Cluster

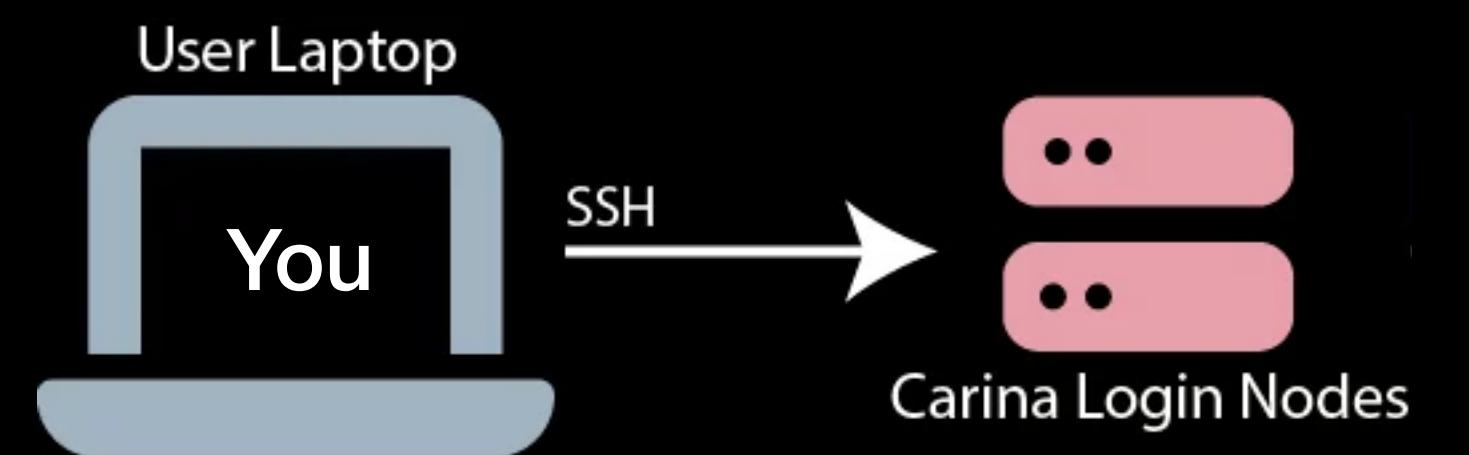


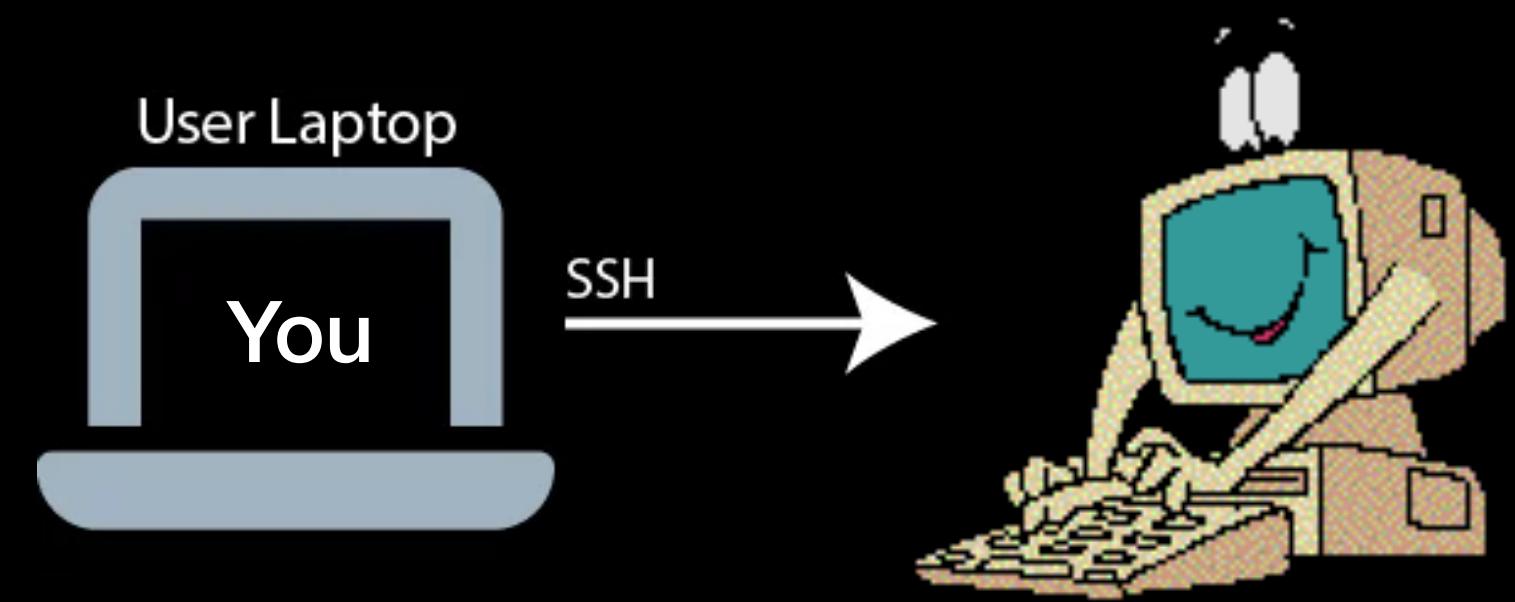
High-Performance Compute (HPC) Cluster



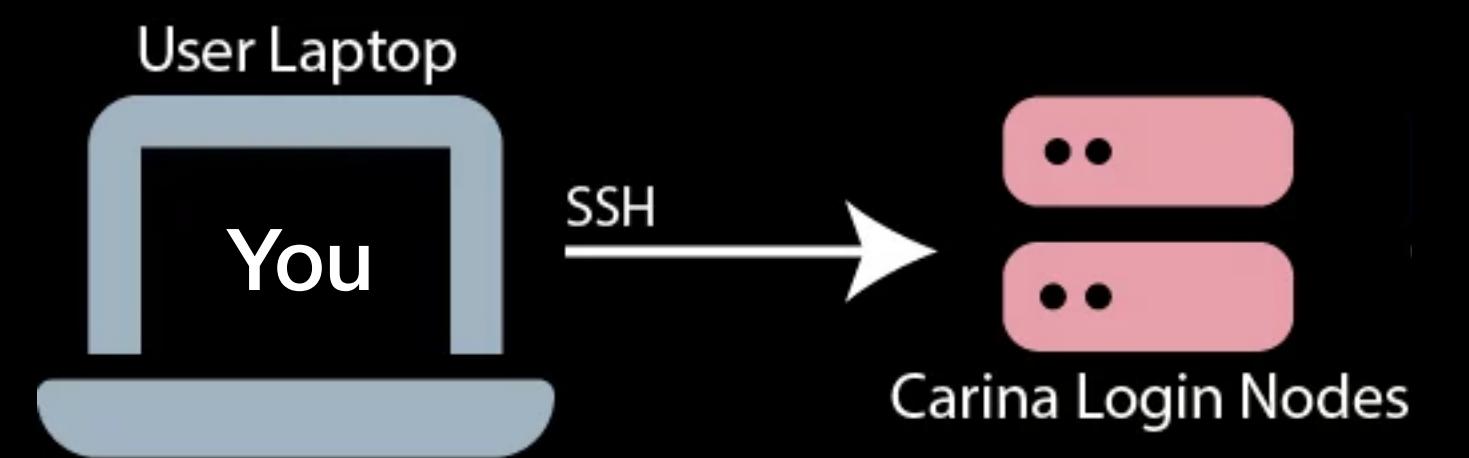
The Slurm workload manager logo consists of a grid of orange squares above the word "slurm" in a bold, white, sans-serif font. Below "slurm" is the text "workload manager" in a smaller, gray, sans-serif font.

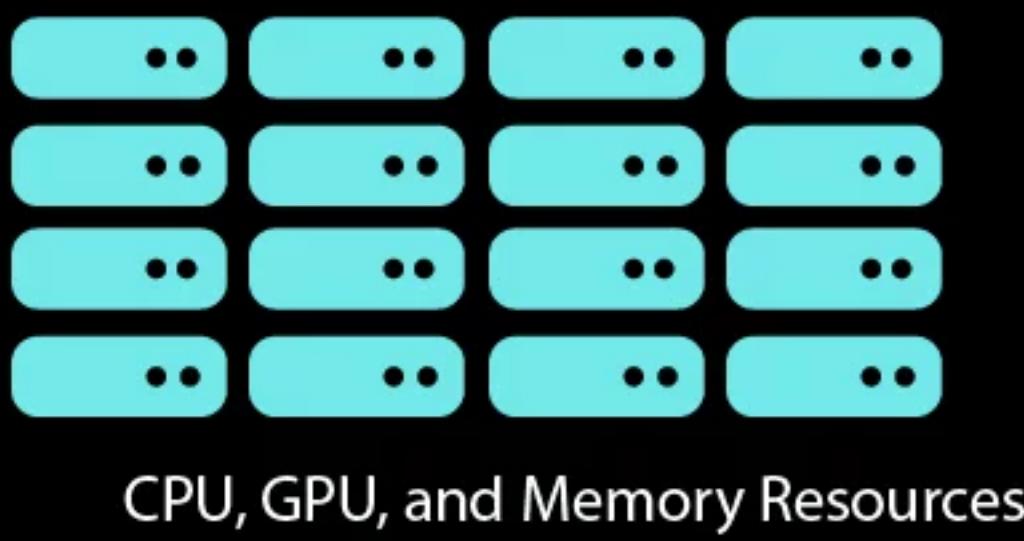
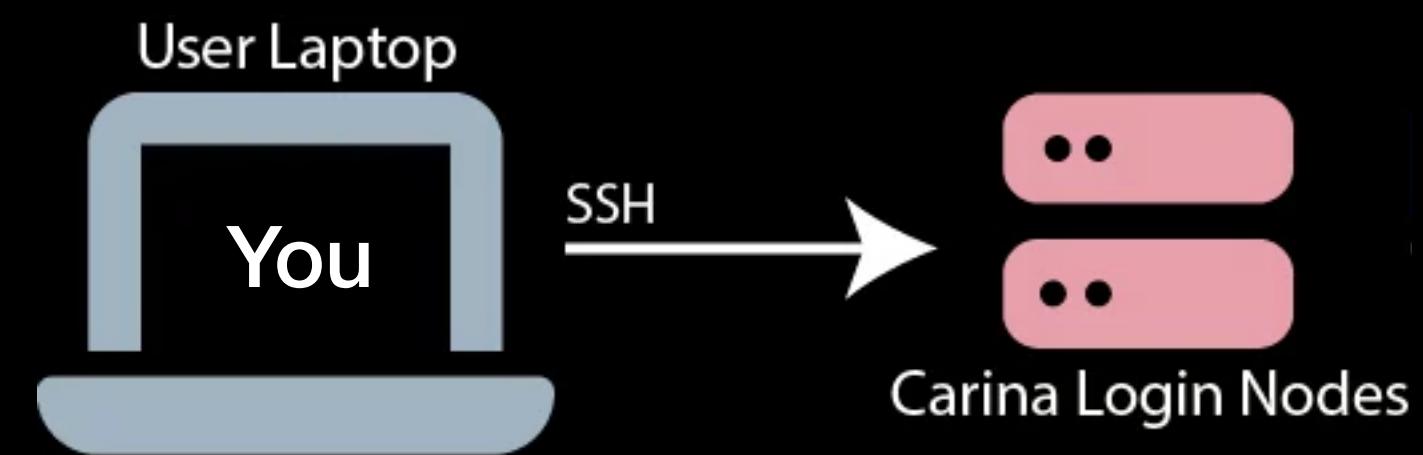


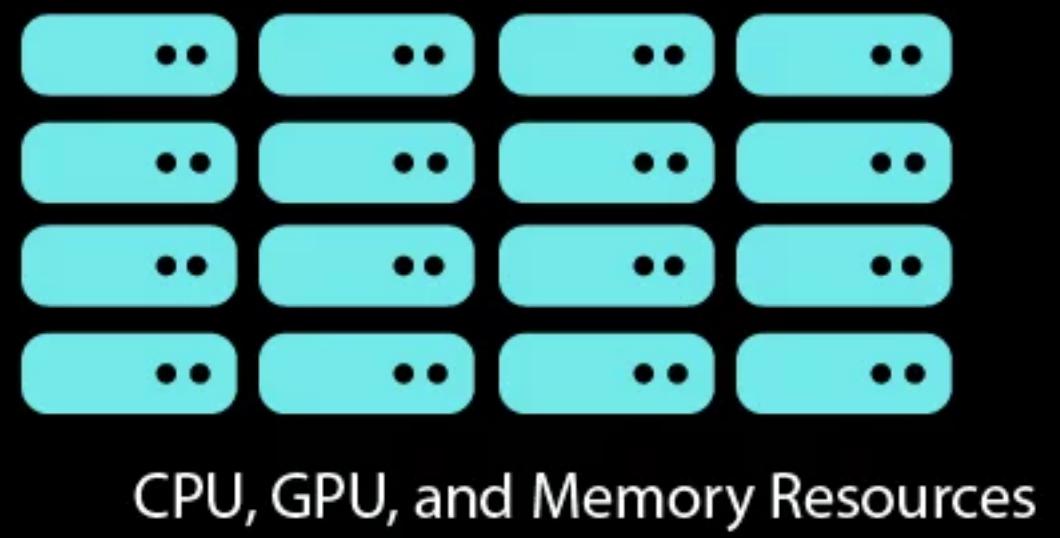


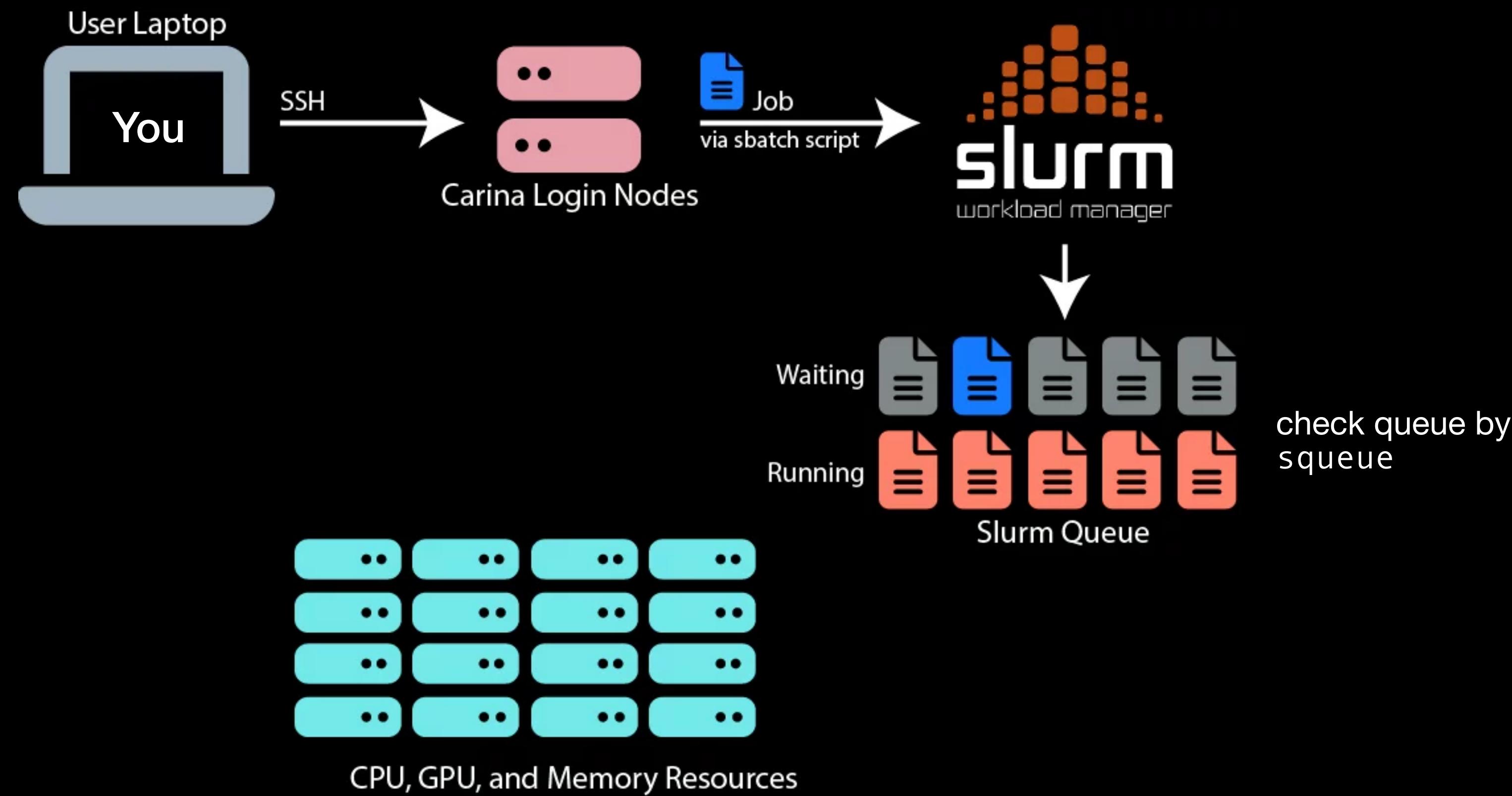


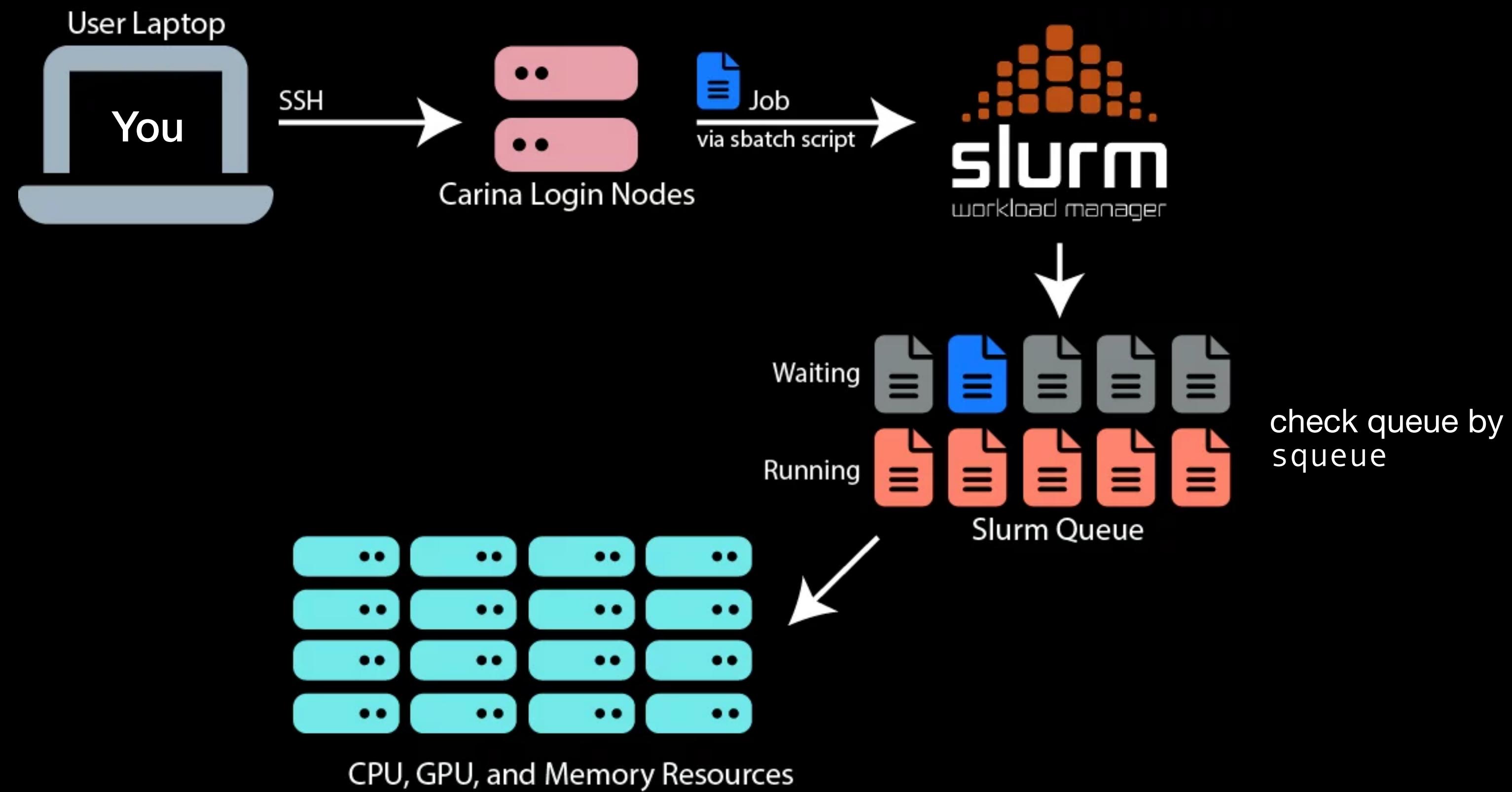


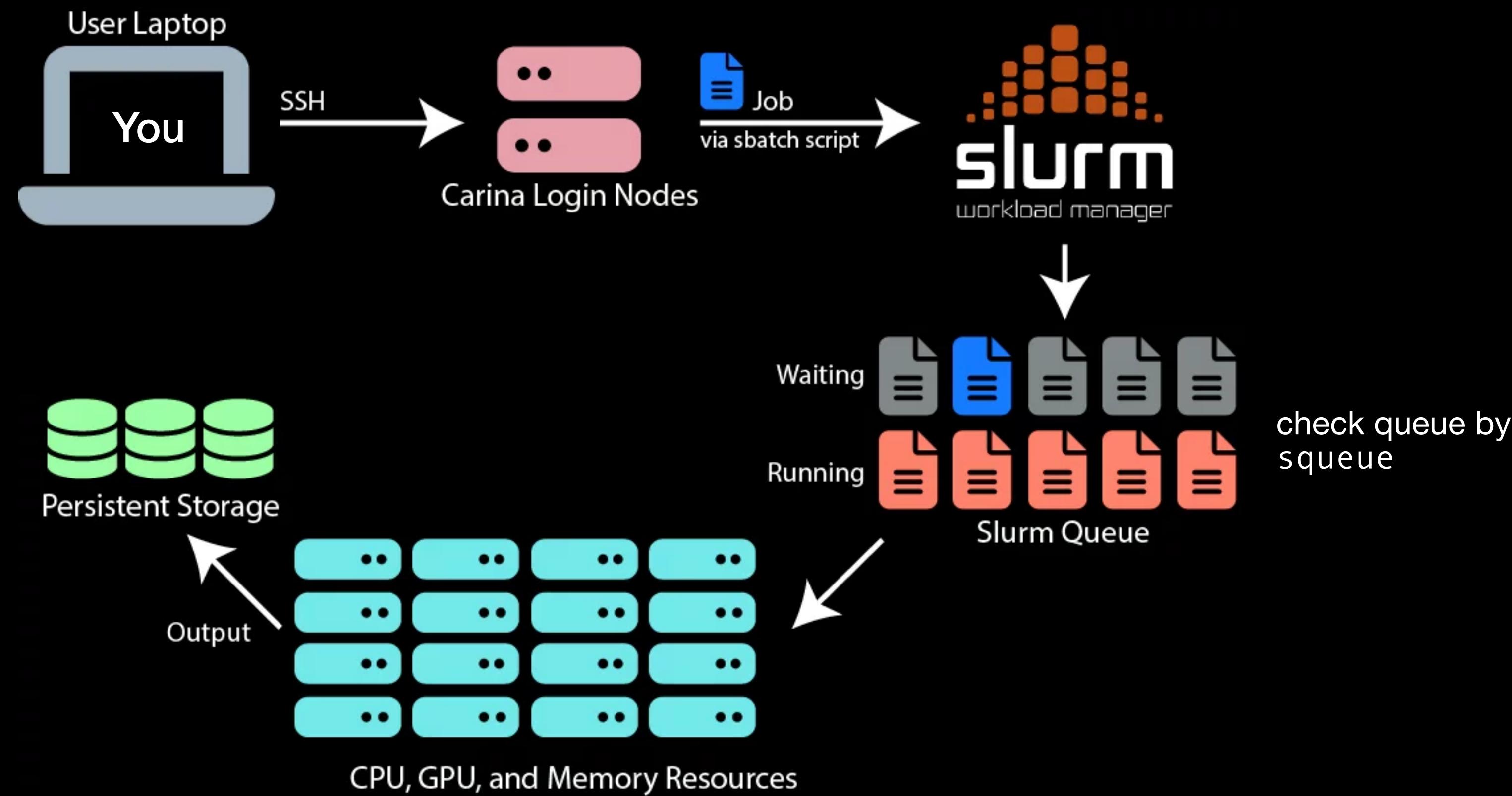


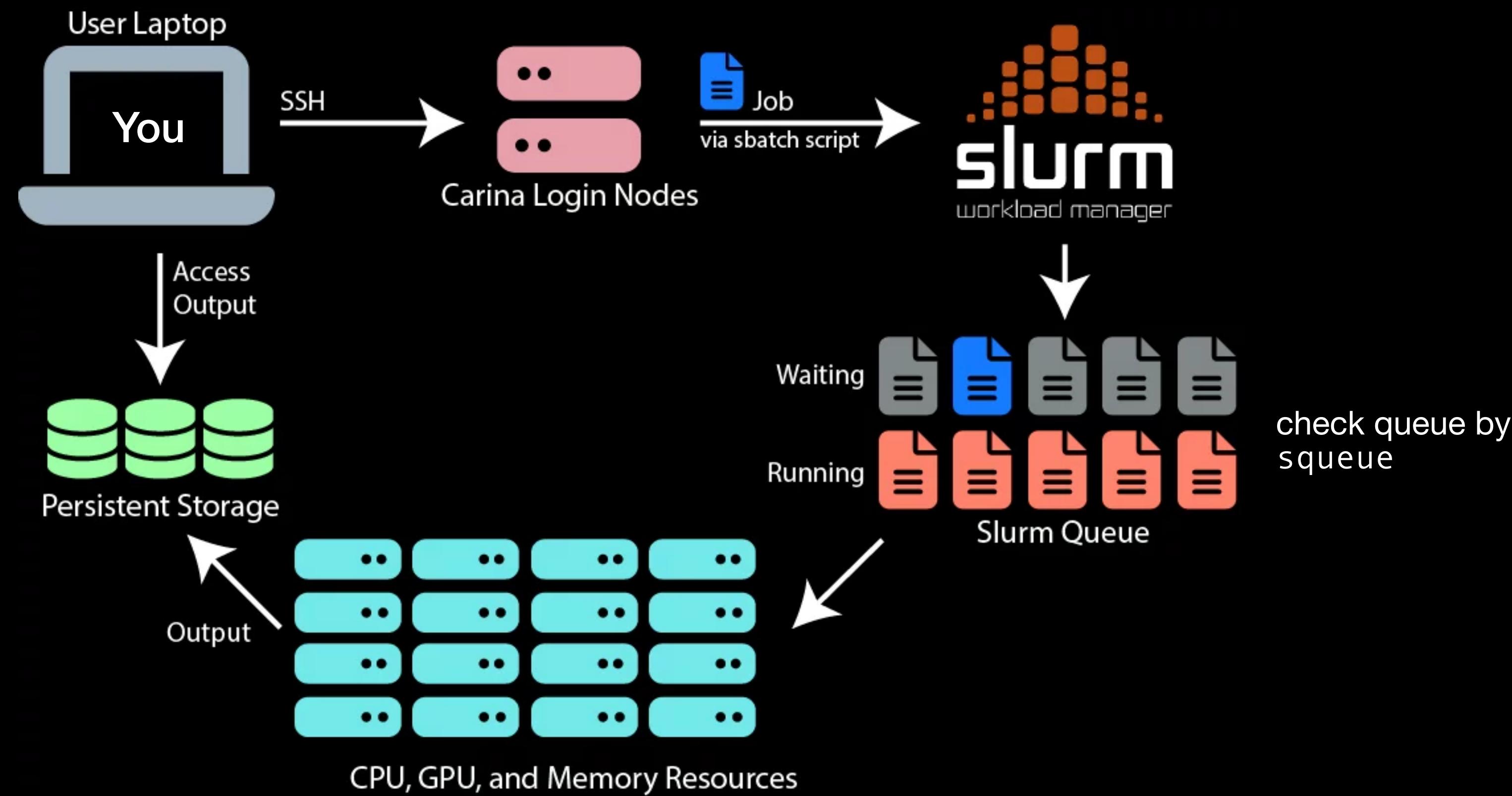


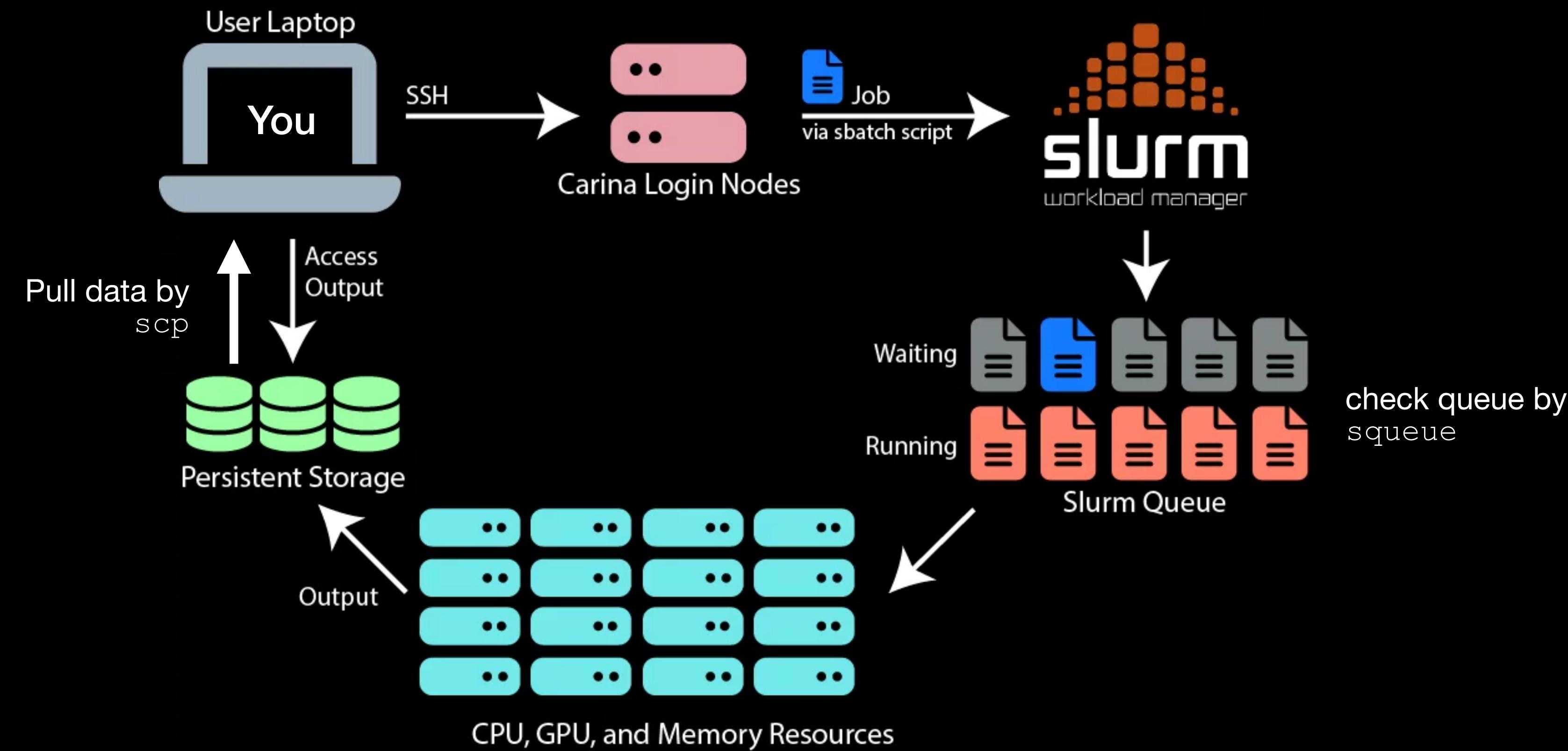












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