Dynamic thread pinning tool – Usage

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This script allows users to **pin specific threads to user-defined CPU cores** while ensuring that **floating threads are assigned dynamically** to balance CPU load.

## Prerequisites

sudo apt install python3

pip3 install psutil

## How to run?

Get the PID of the process you are interested in using **top** command. In this example, I am using PID of MySQL process.

top -Hp PID 🡪 This gives details of threads running under that process.

A screenshot of a computer

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Now, run

python3 thread\_pinning.py

Mention name of threads to get pinned.

Enter cores to pin to those threads

Enter cores for floating threads, meaning all other threads will float between the cores user specifies. A screen shot of a computer

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## Output

From output, it can be seen that 2 and 3 are pinned to connection threads and 4,5 are floating between remaining threads

A screenshot of a computer

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