

Process vs Thread

Concurrency & Parallel Operation

- Process - Your program
- Managed by the OS
 - Personal address space
 - Can run on its own
 - Can have multiple threads

- Thread -
- share parts of the memory
 - has its own stack, registers, program counter

Thread

Concurrency: Working on multiple tasks

A reads a file
File is now available

Core 0: | A | B | A | B | A |

time spent on execution

Parallel Operation:

Working on multiple tasks... simultaneously

Core 0: | A |

Core 1: | B |

Cache Structure

