INTRO

Recap:

- MIMD's (multiple instruction, multiple data) is made up of distributed memory or shared memory.
    - Distributed memory is when core(s) each have their own memory which is private to only itself but can be shared through a network
    - Shared memory is when core(s) are connected to one global memory where every core can access any memory location
- We are going to look at how to program distributed memory systems using message passing
    - In message passing programs one core memory pair is called a process, and two processes can communicate by the functions: send and receive.
    - We will use MPI (message passing interface) for our implementation of message passing
        - MPI is not a program but a library used in C
        - It has different send and receive functions
        - Has collective functions, which involves more than two processes
- We will also look at some fundemental issues in message passing programs
    - Such as data partitioning, IO in distributed memory systems.