

TP1

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September 2023

Assignment

In this assignment, you will implement a simple MPI (Message Passing Interface) program that prints "Hello, World!" using MPI functions. You will then write a report explaining your code implementation and provide comments on the program's output.

Instructions

Follow these steps to complete the assignment:

1. Write an MPI program in C or C++ that prints "Hello, World!" using MPI functions.
2. Compile and run your program on your local machine or a suitable MPI-enabled cluster.
3. Write a report (in a separate document) that includes the following:
 - A brief explanation of how the MPI "Hello, World!" program works.
 - Any challenges or difficulties you encountered while writing and running the program.
 - Describe the MPI commands or functions you used in your code.
4. Execute your MPI program and provide the output in your report.
5. Include your thoughts and observations about the program's output. Did it run as expected? Were there any surprises or unexpected behaviors?

Submission

Please submit the following items:

- Your MPI "Hello, World!" source code.
- A report (in PDF format) describing your code implementation and your comments on the program's output.

Grading

You will be graded based on the following criteria:

- Successful implementation of the MPI "Hello, World!" program.
- Quality and clarity of the report.
- Thoughtful comments and observations on the program's output.