

Hoja de Trabajo 2

Computación Paralela y Distribuida

Repositorio

Acceso: <https://github.com/TheDeloz-v2/CPD-HT2>

Resultados

```
root@2e88cb23be15:/usr/src/app# mpicc -o mpi_hello mpi_hello.c
root@2e88cb23be15:/usr/src/app# mpirun --allow-run-as-root -np 4 ./mpi_hello
Hello World, I'm process 0 of 4!
Hello World, I'm process 1 of 4!
Hello World, I'm process 2 of 4!
Hello World, I'm process 3 of 4!
root@2e88cb23be15:/usr/src/app#
```

Figura 1. Resultados del ejercicio 1.

```
root@2e88cb23be15:/usr/src/app# mpicc -o mpi_hello_2 mpi_hello_2.c
root@2e88cb23be15:/usr/src/app# mpirun --allow-run-as-root -np 4 ./mpi_hello_2
Hi, I'm process 1 of 4 and I'm sending a message to process 0!
Hi, I'm process 2 of 4 and I'm sending a message to process 0!
Hi, I'm process 3 of 4 and I'm sending a message to process 0!
Hi, I'm process 0 of 4, and I'm receiving!
Greetings process 0, I'm process 1 of 4!
Greetings process 0, I'm process 2 of 4!
Greetings process 0, I'm process 3 of 4!
root@2e88cb23be15:/usr/src/app#
```

Figura 2. Resultados del ejercicio 2.

```
root@2e88cb23be15:/usr/src/app# mpicc -o mpi_hello_3 mpi_hello_3.c
root@2e88cb23be15:/usr/src/app# mpirun --allow-run-as-root -np 4 ./mpi_hello_3
Hi, I'm process 3 of 4 and I'm sending!
Hi, I'm process 2 of 4 and I'm sending!
Hi, I'm process 0 of 4, and I'm receiving!
Hi, I'm process 1 of 4 and I'm sending!
Greetings process 0, I'm process 1 of 4!
Hi, I'm process 0 of 4 and I'm sending a response to 1!
Greetings process 0, I'm process 2 of 4!
Hi, I'm process 0 of 4 and I'm sending a response to 2!
Greetings process 0, I'm process 3 of 4!
Hi, I'm process 0 of 4 and I'm sending a response to 3!
Sending response from process 0 to process 1!
Sending response from process 0 to process 3!
Sending response from process 0 to process 2!
root@2e88cb23be15:/usr/src/app#
```

Figura 3. Resultados del ejercicio 3.