HOJA DE TRABAJO 2

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REPOSITORIO DE GITHUB

Los archivos de código pueden ser encontrados en el siguiente [repositorio de GitHub](#).

EJERCICIO 1

```
root@48b8efe63a11:/src# ls
hello_1  mpi_hello.c
root@48b8efe63a11:/src# mpirun --allow-run-as-root -np 4 ./hello_1

Hello World, I'm process 3 of 4!
Hello World, I'm process 0 of 4!
Hello World, I'm process 1 of 4!
Hello World, I'm process 2 of 4!
root@48b8efe63a11:/src#
```

EJERCICIO 2

```
root@48b8efe63a11:/src# mpirun --allow-run-as-root -np 4 ./hello_2
Hi, I'm process 0 of 4 and I'm receiving messages!
        Process 0 received from 1: Greetings process 0, I'm process 1 of 4!
        Process 0 received from 2: Greetings process 0, I'm process 2 of 4!
        Process 0 received from 3: Greetings process 0, I'm process 3 of 4!
Hi, I'm process 1 of 4 and I'm sending a message to 0!
Hi, I'm process 2 of 4 and I'm sending a message to 0!
Hi, I'm process 3 of 4 and I'm sending a message to 0!
root@48b8efe63a11:/src# mpirun --allow-run-as-root -np 4 ./hello_2
Hi, I'm process 0 of 4 and I'm receiving messages!
Hi, I'm process 2 of 4 and I'm sending a message to 0!
Hi, I'm process 3 of 4 and I'm sending a message to 0!
Hi, I'm process 1 of 4 and I'm sending a message to 0!
        Process 0 received from 1: Greetings process 0, I'm process 1 of 4!
        Process 0 received from 2: Greetings process 0, I'm process 2 of 4!
        Process 0 received from 3: Greetings process 0, I'm process 3 of 4!
root@48b8efe63a11:/src#
```

```
root@48b8efe63a11:/src# mpirun --allow-run-as-root -np 4 ./hello_3
Hi, I'm process 2 of 4 and I'm sending a message to 0!
Hi, I'm process 3 of 4 and I'm sending a message to 0!
Hi, I'm process 0 of 4 and I'm receiving messages!
Hi, I'm process 1 of 4 and I'm sending a message to 0!
        Process 3 received response from process 0: Acknowledged, process 3!
        Process 0 received from 1: Greetings process 0, I'm process 1 of 4!
        Process 0 received from 2: Greetings process 0, I'm process 2 of 4!
        Process 0 received from 3: Greetings process 0, I'm process 3 of 4!
        Process 2 received response from process 0: Acknowledged, process 2!
        Process 1 received response from process 0: Acknowledged, process 1!
root@48b8efe63a11:/src# mpirun --allow-run-as-root -np 4 ./hello_3
Hi, I'm process 0 of 4 and I'm receiving messages!
        Process 0 received from 1: Greetings process 0, I'm process 1 of 4!
        Process 0 received from 2: Greetings process 0, I'm process 2 of 4!
        Process 0 received from 3: Greetings process 0, I'm process 3 of 4!
Hi, I'm process 1 of 4 and I'm sending a message to 0!
        Process 1 received response from process 0: Acknowledged, process 1!
Hi, I'm process 2 of 4 and I'm sending a message to 0!
        Process 2 received response from process 0: Acknowledged, process 2!
Hi, I'm process 3 of 4 and I'm sending a message to 0!
        Process 3 received response from process 0: Acknowledged, process 3!
root@48b8efe63a11:/src#
```