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Hoja de trabajo 2

A continuación los resultados de los ejercicios realizados en la práctica de la hoja de trabajo 2.

Ejercicio 1

Ejercicio 2

```
marco@marco-VirtualBox:~/Documentos/GitHub/HT2_Paralela$ ls
LICENSE  mpi_hello  mpi_hello_2.c  mpi_hello_3.c  mpi_hello.c  README.md
marco@marco-VirtualBox:~/Documentos/GitHub/HT2_Paralela$ mpicc -o mpi_hello_2 mpi_hello_2.c
marco@marco-VirtualBox:~/Documentos/GitHub/HT2_Paralela$ mpirun -np 4 ./mpi_hello_2
Process 2 sending a message to Process 0: Hello from Process 2 to Process 0!
Process 3 sending a message to Process 0: Hello from Process 3 to Process 0!
Process 1 sending a message to Process 0: Hello from Process 1 to Process 0!
Process 0 received a message from Process 1: Hello from Process 1 to Process 0!
Process 0 received a message from Process 2: Hello from Process 2 to Process 0!
Process 0 received a message from Process 3: Hello from Process 3 to Process 0!
marco@marco-VirtualBox:~/Documentos/GitHub/HT2_Paralela$ mpirun -np 4 ./mpi_hello_2
Process 1 sending a message to Process 0: Hello from Process 1 to Process 0!
Process 2 sending a message to Process 0: Hello from Process 2 to Process 0!
Process 0 received a message from Process 1: Hello from Process 1 to Process 0!
Process 0 received a message from Process 2: Hello from Process 2 to Process 0!
Process 0 received a message from Process 3: Hello from Process 3 to Process 0!
Process 3 sending a message to Process 0: Hello from Process 3 to Process 0!
^[[Amarco@marco-VirtualBox:~/Documentos/GitHub/HT2_Paralela$ mpirun -np 4 ./mpi_hello_2
Process 2 sending a message to Process 0: Hello from Process 2 to Process 0!
Process 3 sending a message to Process 0: Hello from Process 3 to Process 0!
Process 1 sending a message to Process 0: Hello from Process 1 to Process 0!
Process 0 received a message from Process 1: Hello from Process 1 to Process 0!
Process 0 received a message from Process 2: Hello from Process 2 to Process 0!
Process 0 received a message from Process 3: Hello from Process 3 to Process 0!
marco@marco-VirtualBox:~/Documentos/GitHub/HT2_Paralela$ mpirun -np 4 ./mpi_hello_2
Process 1 sending a message to Process 0: Hello from Process 1 to Process 0!
Process 2 sending a message to Process 0: Hello from Process 2 to Process 0!
Process 3 sending a message to Process 0: Hello from Process 3 to Process 0!
Process 0 received a message from Process 1: Hello from Process 1 to Process 0!
Process 0 received a message from Process 2: Hello from Process 2 to Process 0!
Process 0 received a message from Process 3: Hello from Process 3 to Process 0!
marco@marco-VirtualBox:~/Documentos/GitHub/HT2_Paralela$ mpirun -np 4 ./mpi_hello_2
Process 3 sending a message to Process 0: Hello from Process 3 to Process 0!
Process 2 sending a message to Process 0: Hello from Process 2 to Process 0!
Process 1 sending a message to Process 0: Hello from Process 1 to Process 0!
Process 0 received a message from Process 1: Hello from Process 1 to Process 0!
Process 0 received a message from Process 2: Hello from Process 2 to Process 0!
Process 0 received a message from Process 3: Hello from Process 3 to Process 0!
marco@marco-VirtualBox:~/Documentos/GitHub/HT2_Paralela$
```

Ejercicio 3

```
marco@marco-VirtualBox:~/Documentos/GitHub/HT2_Paralela$ mpicc -o mpi_hello_3 mpi_hello_3.c
marco@marco-VirtualBox:~/Documentos/GitHub/HT2_Paralela$ mpirun -np 4 ./mpi_hello_3
Process 1 sending a message to Process 0: Hello from Process 1 to Process 0!
Process 2 sending a message to Process 0: Hello from Process 2 to Process 0!
Process 1 received confirmation from Process 0: Received by Process 0 from Process 1!
Process 2 received confirmation from Process 0: Received by Process 0 from Process 2!
Process 0 received a message from Process 1: Hello from Process 1 to Process 0!
Process 0 received a message from Process 2: Hello from Process 2 to Process 0!
Process 3 sending a message to Process 0: Hello from Process 3 to Process 0!
Process 0 received a message from Process 3: Hello from Process 3 to Process 0!
Process 3 received confirmation from Process 0: Received by Process 0 from Process 3!
marco@marco-VirtualBox:~/Documentos/GitHub/HT2_Paralela$ mpirun -np 4 ./mpi_hello_3
Process 0 received a message from Process 1: Hello from Process 1 to Process 0!
Process 1 sending a message to Process 0: Hello from Process 1 to Process 0!
Process 1 received confirmation from Process 0: Received by Process 0 from Process 1!
Process 2 sending a message to Process 0: Hello from Process 2 to Process 0!
Process 0 received a message from Process 2: Hello from Process 2 to Process 0!
Process 3 sending a message to Process 0: Hello from Process 3 to Process 0!
Process 0 received a message from Process 3: Hello from Process 3 to Process 0!
Process 3 received confirmation from Process 0: Received by Process 0 from Process 3!
Process 2 received confirmation from Process 0: Received by Process 0 from Process 2!
marco@marco-VirtualBox:~/Documentos/GitHub/HT2_Paralela$ mpirun -np 4 ./mpi_hello_3
Process 3 sending a message to Process 0: Hello from Process 3 to Process 0!
Process 1 sending a message to Process 0: Hello from Process 1 to Process 0!
Process 2 sending a message to Process 0: Hello from Process 2 to Process 0!
Process 1 received confirmation from Process 0: Received by Process 0 from Process 1!
Process 2 received confirmation from Process 0: Received by Process 0 from Process 2!
Process 0 received a message from Process 1: Hello from Process 1 to Process 0!
Process 0 received a message from Process 2: Hello from Process 2 to Process 0!
Process 0 received a message from Process 3: Hello from Process 3 to Process 0!
Process 3 received confirmation from Process 0: Received by Process 0 from Process 3!
marco@marco-VirtualBox:~/Documentos/GitHub/HT2_Paralela$ mpirun -np 4 ./mpi_hello_3
Process 1 sending a message to Process 0: Hello from Process 1 to Process 0!
Process 1 received confirmation from Process 0: Received by Process 0 from Process 1!
Process 2 sending a message to Process 0: Hello from Process 2 to Process 0!
Process 2 received confirmation from Process 0: Received by Process 0 from Process 2!
Process 0 received a message from Process 1: Hello from Process 1 to Process 0!
Process 0 received a message from Process 2: Hello from Process 2 to Process 0!
Process 3 sending a message to Process 0: Hello from Process 3 to Process 0!
Process 0 received a message from Process 3: Hello from Process 3 to Process 0!
Process 3 received confirmation from Process 0: Received by Process 0 from Process 3!
marco@marco-VirtualBox:~/Documentos/GitHub/HT2_Paralela$ mpirun -np 4 ./mpi_hello_3
Process 2 sending a message to Process 0: Hello from Process 2 to Process 0!
Process 3 sending a message to Process 0: Hello from Process 3 to Process 0!
Process 1 sending a message to Process 0: Hello from Process 1 to Process 0!
Process 0 received a message from Process 1: Hello from Process 1 to Process 0!
Process 0 received a message from Process 2: Hello from Process 2 to Process 0!
Process 0 received a message from Process 3: Hello from Process 3 to Process 0!
Process 1 received confirmation from Process 0: Received by Process 0 from Process 1!
Process 3 received confirmation from Process 0: Received by Process 0 from Process 3!
Process 2 received confirmation from Process 0: Received by Process 0 from Process 2!
```