Hoja de trabajo #2

Ejercicio 1

Entonces aquí solo se despliega el mensaje de que se crearon los procesos y puede que se muestre en desorden.

```
root@70d8326a230e:/parallel_computing# make run
mpicc -o mpi_hello mpi_hello.c
mpiexec --allow-run-as-root -n 4 ./mpi_hello
Hello World, I'm process 0 of 4!
Hello World, I'm process 1 of 4!
Hello World, I'm process 3 of 4!
Hello World, I'm process 2 of 4!
```

Ejercicio 2

Aquí se envían los mensajes al proceso 0 y el proceso 0 despliega que le llego el mensaje, en puede que salga en desorden como que no.

```
root@70d8326a230e:/parallel_computing# make -f Makefile2 run
mpiexec --allow-run-as-root -n 4 ./mpi_hello_2
Hello World, I'm process 1 of 4!
Process 1: Sending message to process 0.
Hello World, I'm process 2 of 4!
Process 2: Sending message to process 0.
Hello World, I'm process 3 of 4!
Process 3: Sending message to process 0.
Hello World, I'm process 0 of 4!
Process 0: Received message 'Hello from process 1' from process 1.
Process 0: Received message 'Hello from process 2' from process 2.
Process 0: Received message 'Hello from process 3' from process 3.
```

Ejercicio 3

Aquí se muestra que se envían los mensajes que se crean los mensajes, que se reciben los mensajes, y que se recibe la confirmación del proceso a la cuál le llego el mensaje sin

embargo, puede que llegue en desorden.

```
root@70d8326a230e:/parallel_computing# make -f Makefile3 run
mpiexec --allow-run-as-root -n 4 ./mpi_hello_3
Hello World, I'm process 0 of 4!
Process 0: Received message 'Hello from process 1' from process 1.
Process 0: Received message 'Hello from process 2' from process 2.
Process 0: Received message 'Hello from process 3' from process 3.
Hello World, I'm process 1 of 4!
Process 1: Sending message to process 0.
Process 1: Received confirmation from process 0: 'Message received by process
0 from process 1'
Hello World, I'm process 2 of 4!
Process 2: Sending message to process 0.
Process 2: Received confirmation from process 0: 'Message received by process
0 from process 2'
Hello World, I'm process 3 of 4!
Process 3: Sending message to process 0.
Process 3: Received confirmation from process 0: 'Message received by process
0 from process 3'
```