## Result example

### Hello World:

-bash-4.1\$ mpirun -np	<pre>8 ./helloWorld</pre>		
Hello world from pro	cessor 4	out of	8
Hello world from pro	cessor 5	out of	8
Hello world from pro	cessor 6	out of	8
Hello world from pro	cessor 0	out of	8
Hello world from pro	cessor 1	out of	8
Hello world from pro	cessor 2	out of	8
Hello world from pro	cessor 3	out of	8
Hello world from pro	cessor 7	out of	8

### Simple send-receive:

-bash-4.1\$ mpirun -	np 8 .,	/sendRec					]
Processor:	0	sent	1.0000000	2.0000000	3.0000000	4.0000000	5.00
00000							
Processor:	1	receive	ed 1.0000000	2.0000000	3.0000000	4.0000000	
5.0000000							59

# ping pong

!!!(to prove they did send and receive, I let 0 process send data + 1 and 1 process send data + 2)!!

[-bash-4.1\$ mpirun -np	8	./	oingPong			
Processor:		0	sent		1	
Processor:		0	received			3
Processor:		0	sent		4	
Processor:		0	received			6
Processor:		0	sent		7	
Processor:		0	received			9
Processor:		0	sent	1	L0	
Processor:		0	received			12
Processor:		0	sent	1	L3	
Processor:		0	received			15
Processor:		1	received			1
Processor:		1	sent		3	
Processor:		1	received			4
Processor:		1	sent		6	
Processor:		1	received			7
Processor:		1	sent		9	
Processor:		1	received			10
Processor:		1	sent	1	L2	
Processor:		1	received			13
Processor:		1	sent	1	L5	
[-bash-4.1\$ exit						
logout						

### Ring

-bash-4.1\$ mpirun -np 8	./:	ring					
Processor:	1	sent to		6		1	
Processor:	1	recived	from		4		4
Processor:	2	sent to		7		2	
Processor:	2	recived	from		5		5
Processor:	3	sent to		0		3	
Processor:	3	recived	from		6		6
Processor:	4	sent to		1		4	
Processor:	4	recived	from		7		7
Processor:	5	sent to		2		5	
Processor:	5	recived	from		0		0
Processor:	6	sent to		3		6	
Processor:	6	recived	from		1		1
Processor:	0	sent to		5		0	
Processor:	0	recived	from		3		3
Processor:	7	sent to		4		7	
Processor:	7	recived	from		2		2

#### рi

-bash-4.1\$ mpirun -np 3 ./pi 9999

answer: 3.1111112

-bash-4.1\$ mpirun -np 3 ./pi 99999

answer: 3.1431913