

Parallel Programming Exercise 4.6 - Parallel Hello World!

Author:	張凱捷 (R08922054@ntu.edu.tw)
Student ID	R08922054
Department	資訊工程所

1 Problem and Proposed Approach

嘗試使用 MPI 讓多個 processors 印出 Hello world!

2 Result

可以觀察到不同 Processors 的執行順序是不一定的，這是寫平行程式時需要注意的。

Output (p = 4):

```
Hello, world! From process: 2
Hello, world! From process: 3
Hello, world! From process: 0
Hello, world! From process: 1
```

Appendix(optional):

Code:

```
#include <bits/stdc++.h>
using namespace std;

#include "mpi.h"

int main(int argc, char** argv) {
    int id;
    MPI_Init(&argc, &argv);
    MPI_Comm_rank(MPI_COMM_WORLD, &id);
    printf("Hello, world! From process: %d\n", id);
    MPI_Finalize();
}
```