Ex06_p02

p02.cpp
```cpp
#include <mpi.h>
#include <iostream>

int main(int argc, char** argv) {
    MPI_Init(&argc, &argv);

    int rank, size;
    MPI_Comm_rank(MPI_COMM_WORLD, &rank);
    MPI_Comm_size(MPI_COMM_WORLD, &size);

    int message[1];

    if (rank != size - 1) {
        message[0] = rank;
        MPI_Send(message, 1, MPI_INT, rank + 1, 0,
MPI_COMM_WORLD);
        std::cout << "Process " << rank << " sent message to
process " << rank + 1 << std::endl;
    }

    if (rank != 0) {
        MPI_Status status;
        MPI_Recv(message, 1, MPI_INT, rank - 1, 0,
MPI_COMM_WORLD, &status);
        std::cout << "Process " << rank << " received
message from process " << message[0] << std::endl;
    }

    MPI_Finalize();
    return 0;
}
```

Output from p02.cpp
```
Process 0 sent message to process 1
Process 1 sent message to process 2
Process 1 received message from process 0
Process 2 sent message to process 3
Process 2 received message from process 1
Process 3 received message from process 2
```