Introduction to distributed and parallel processing

Laboratory 2

Write using MPI the following programs:

1. The first processor send some integer number to the second one.
2. The first processor send some integer number to the second one. The second processor adds some integer value to received value and result send to the first processor.
3. Use 4 (or more, let say n) processors, assume that they create the ring structure. The first processor send some integer number to the second one, then the second processor send received integer value to the third processor, the third processor send it to fourth processor and finally the fourth processor send it to the first processor.

Use `printf(...)` command **before** and **after** every communication function e.a:

```
printf("%d) want to send to proc %d value %d\n",myrank, destProc, value);
MPI_Send(&value,1,MPI_INT,destProc,MPI_COMM_WORLD);
printf("%d) sent to proc %d value %d\n",myrank, destProc, value);
```