# FIT5174 Assignment part B manual

This code is written in Linux C, it is a MPI program which calculates the number of strikes under specified naval fleet model.

To compile this code, simply use mpicc command:

Mpicc – o FIT5174\_Part\_B FIT5174\_Part\_B.c

For execution, this code is using the MPI size to detect the number of vessels from user input, and using the rank 0 process doing the calculation. Therefore, the input size should be the number of vessels + 1. For example, if we set there are 50 vessels in fleet, the size we enter should be 50+1 which is 51.

So the execute command is: mpirun –np “number of vessels + 1” FIT5174\_Part\_A

During the compilation and execution, the code should not have any waring message and work properly.