Binary search is to performed on sorted array

File bs.c contains logic for parallel binary search using MPI and sbs.c is serial binary search.

Both files are independent of each other.

Steps to run sbs.c

g++ sbs.c -o sbs

./sbs

Steps to run bs.c

mpicc bs.c -o bs

mpirun -np 5 ./bs

5 stands for number of processes.

while testing I used 5 threads but it can be varied.but as you vary threads to change value 718 in the line 161.