##########Two step to use ICON:

*********Step 1. Reconstruct Tomogram slice by slice using ICON(mpi version)--generate seriel 2D reconstruction named mid******.mrc

  mpirun -n $THREADNUM ./ICONmpi $projectionFile $tiltFile $resultPath $sliceNumber_begin $sliceNumber_end $iteration_time $iteration_beforeICON $iteration_afterICON $threshold

##########The parameters of ICONmpi
    (1)projectionFile   -- projection to be reconstructed, whose Mode value should be 0;
    (2)tiltFile   -- tlt file;
    (3)resultPath   -- the folder where 2D reconstructions goes;
    (4)sliceNumber_begin   -- the index of the first slice to be reconstructed (start from 0);
    (5)sliceNumber_end   -- the index of the last slice to be reconstructed (start from 0);
    (6)iteration_time   -- the total iteration time;
    (7)iteration_beforeICON -- the iteration time of INFR before ICON (to generate an initial reconstruction for ICON , 10~20 is a appropriate range);
    (8)iteration_afterICON   -- the iteration time of INFR after ICON (to ensure the accuracy of sampled projections , 10~20 is a appropriate range);
    (9)threshold   -- threshold used in ICON, default 0;
    Notice: iteration_time = iteration_beforeICON + iteration_ICON + iteration_afterICON

*********Step 2. Copy program "MRCCatch" to resultPath and combine all 2D reconstructions into a 3D reconstruction

  ./MRCCatch $sliceNumber_begin $sliceNumber_end $cutSize $outputFile

##########The parameters of MRCCatch
    (1)sliceNumber_begin   -- the index of the first slice to be conbined (Corresponding to "*****" in "mid*****.mrc");
    (2)sliceNumber_end   -- the index of the last slice to be conbined (Corresponding to "*****" in "mid*****.mrc");
    (3)cutSize   -- the size of Z axis after cutting
    (4)outputFile   -- output file