// Illustrate using CreateThread in gthreads
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#include "gthread.h"  // Must be included to use the gthreads library

void BubbleSort(int * d, int startingPoint, int length)
{  // This is the thread starting point
   // This is where, in this example, the sorting of array d will be done
   EndThread(); // Call this just before exiting
}

const int nThreads = 4;    // Number of threads desired
const int maxSize = 512000;  // Largest sort size

int main()
{
   int d[maxSize];       // Array to be sorted
   int start = 0;        // Starting point of sub-array

   int lengthPerThread = maxSize / nThreads;  // Length of sub-array
   for (int k = 0; k < nThreads; ++k)
   {  // Create each of the four sorting threads
      CreateThread(BubbleSort, d, start, lengthPerThread);
      start = start + lengthPerThread;
   }
   // At this point all threads are created
   WaitAllThreads(); // This waits until all child threads are done
   // Perform the merge procedure to merge the separate sub-arrays
}

Program create2.cc