Getting Started on OpenMP

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Save the following C++ code in an appropriately named file (eg omp_hello.cpp).
#include <cstdlib>
#include <iostream>
#include <omp.h>
int main (int argc, char *argv[])
{
#pragma omp parallel
  const int tid = omp_get_thread_num();
  const int nthreads = omp_get_num_threads();
  const int num_proc = omp_get_num_procs();
  std::cout << "Helloufromuthreadu" << tid
             << "u/u" << nthreads
             << "u:u" << num_proc << std::endl;
}
Compile your program and link to OpenMP libraries
  g++ -fopenmp -o omp_hello omp_hello.cpp
Run your program
   ./omp_hello
```

Exercises:

- Modify your program to produce cleaner output
- Modify your program to run with an arbitrary number of threads given as command line user input.