

```
/* C */

#include <stdio.h>
#include <unistd.h>
#include <omp.h>

int main () {

    int numThreads = omp_get_num_threads( );
    printf("number of threads is %d\n", numThreads);

    #pragma omp parallel
    {
        int threadID = omp_get_thread_num( );
        printf("Thread ID is %d\n", threadID);

        #pragma omp master
        {
            printf("master threads is %d\n", threadID);
        }

        #pragma omp single
        {
            printf("single thread is %d\n", threadID);
        }
    }
}
```