

```
1  #include <omp.h>
2  #include <stdio.h>
3  #include <stdlib.h>
4
5  int main (int argc, char *argv[]) {
6
7      int nthreads, tid;
8
9      /* Fork a team of threads giving them their own copies of variables */
10     #pragma omp parallel private(nthreads, tid)
11     {
12         /* Get thread number */
13         tid = omp_get_thread_num();
14         printf("Hello World from thread = %d\n", tid);
15
16         /* Only master thread does this */
17         if (tid == 0) {
18             nthreads = omp_get_num_threads();
19             printf("Number of threads = %d\n", nthreads);
20         }
21     } /* All threads join master thread and disband */
22     exit(0);
23 }
24
25
```