

```
1  /*
2   * Stampa i settaggi di OpenMP, etc
3   */
4
5  #include <omp.h>
6  #include <stdio.h>
7  #include <stdlib.h>
8
9  int main (int argc, char *argv[])
10 {
11     int nthreads, tid, procs, maxt, inpar, dynamic, nested;
12
13     /* Start parallel region */
14     #pragma omp parallel private(nthreads, tid)
15     {
16         /* Obtain thread number */
17         tid = omp_get_thread_num();
18
19         /* Only master thread does this */
20         if (tid == 0)
21         {
22             printf("Thread %d getting environment info...\n", tid);
23
24             /* Get environment information */
25             procs = omp_get_num_procs();
26             nthreads = omp_get_num_threads();
27             maxt = omp_get_max_threads();
28             inpar = omp_in_parallel();
29             dynamic = omp_get_dynamic();
30             nested = omp_get_nested();
31
32             /* Print environment information */
33             printf("Number of processors = %d\n", procs);
34             printf("Number of threads = %d\n", nthreads);
35             printf("Max threads = %d\n", maxt);
36             printf("In parallel? = %d\n", inpar);
37             printf("Dynamic threads enabled? = %d\n", dynamic);
38             printf("Nested parallelism supported? = %d\n", nested);
39
40         }
41     } /* Done */
42     exit(0);
43 }
44
45
46
```