



Made by  
Cristian  
Chilipirea

Changing the number of threads:  
Function Call: `omp_set_num_threads(2)`  
Command line: `export OMP_NUM_THREADS=4`  
Pragma directive: `num_threads(8)`

Compiling:  
`gcc main.c -fopenmp`  
Number of cores:  
`cat /proc/cpuinfo`

Shorthand (syntactic sugar):  
`#pragma omp parallel for`  
`#pragma omp parallel sections`

`#pragma omp parallel`

{

code 1

`#pragma omp for`

`for(...)`

iterations

`#pragma omp sections`

{

`#pragma omp section`

code 2

`#pragma omp section`

code 3

}

`#pragma omp master`

code 4

code 5

`#pragma omp barrier`

code 6

`#pragma omp critical`

code 7

//Can not run simultaneously

`private(a)`

`shared(a)`

`reduction(+:a)`

}

