OpenMP

- OpenMP API uses the fork-join model of parallel execution
  - Works on a thread level
  - Works only on SMP machines
  - Directives placed in the source tell when to cause a forking of threads
    - Specifies the actions to be taken by the compiler and runtime system in order to execute the program in parallel
  - OpenMP-compliant implementations are not required to check for dependencies, conflicts, deadlocks, race conditions