**Using CodeBlocks for OpenMp kindly suggested by Sumanth Mudiyam**

Steps to install CodeBlocks:

1. Install new version of CodeBlocks. ( Available at [http://sourceforge.net/projects/codeblocks/](https://mail.uncc.edu/OWA/redir.aspx?C=vXWmn-70lk2HaLlkwSbI8q1ea3nUBdEIXN2oMoNPOC0uDcDBOz-_sNiJTUGHBASQmGWeHmP4PLQ.&URL=http%3a%2f%2fsourceforge.net%2fprojects%2fcodeblocks%2f)  Click on         ​"Download codeblocks-13.12mingw-setup-TDM-GCC-481")

2. Install MinGW ( Available at [http://sourceforge.net/projects/mingw/files/Installer/](https://mail.uncc.edu/OWA/redir.aspx?C=vXWmn-70lk2HaLlkwSbI8q1ea3nUBdEIXN2oMoNPOC0uDcDBOz-_sNiJTUGHBASQmGWeHmP4PLQ.&URL=http%3a%2f%2fsourceforge.net%2fprojects%2fmingw%2ffiles%2fInstaller%2f)  Click on "mingw-get-setup.exe"). While installing, select "mingw32-gcc-g++" and click "Apply Changes" under Installation tab.

3. Replace "C:\Program Files (x86)\CodeBlocks\MinGW" folder with "C:\MinGW" folder.

4. To create new project in CodeBlocks

File > New > Project > Console Application > Select C/C++ > Give Project title and folder path > Next > Compiler : GNU GCC Compiler > Finish

5. Sample Code for Main.c

#include <stdio.h>

#include <stdlib.h>

int main()

{

#pragma omp parallel

{

printf("Hello World from thread = %d of %d\n", omp\_get\_thread\_num(),

omp\_get\_num\_threads());

}

return 0;

}

6. Add compiler flag "-fopenmp"

Settings > Compiler > Compiler Settings > Other Options > type ***-fopenmp*** > ok

7. Link "libgomp-1.dll"

Settings > Compiler > Linker Settings > Add > Set the path to ***C:\Program Files (x86)\CodeBlocks\MinGW\bin\libgomp-1.dll*** > Ok > Ok

8. Run the program.