**STEP 1: Check the GCC version of the compiler**

gcc –version

GCC provides support for OpenMP starting from its version 4.2.0. So if the system has GCC compiler with the version higher than 4.2.0, then it must have OpenMP features configured with it.

If the system doesn’t have the GCC compiler, we can use the following command

sudo apt install gcc

**STEP 2: Configuring OpenMP**

We can check whether the OpenMP features are configured into our compiler or not, using the command

echo |cpp -fopenmp -dM |grep -i open

If OpenMP is not featured in the compiler, we can configure it use using the command

sudo apt install libomp-dev

**STEP 3: Setting the number of threads [OPTIONAL]**

In OpenMP, Before running the code, we can initialise the number of threads to be executed using the following command. Here, we set the number of threads to be getting executed to be 8 threads.

export OMP\_NUM\_THREADS=8

**Compile:**

gcc -o “outputfilename” -fopenmp “filename”.“extension”

**Execute:**

./outputfilename