**ASSIGNMENT – 3**

**MOLECULAR DYNAMICS**

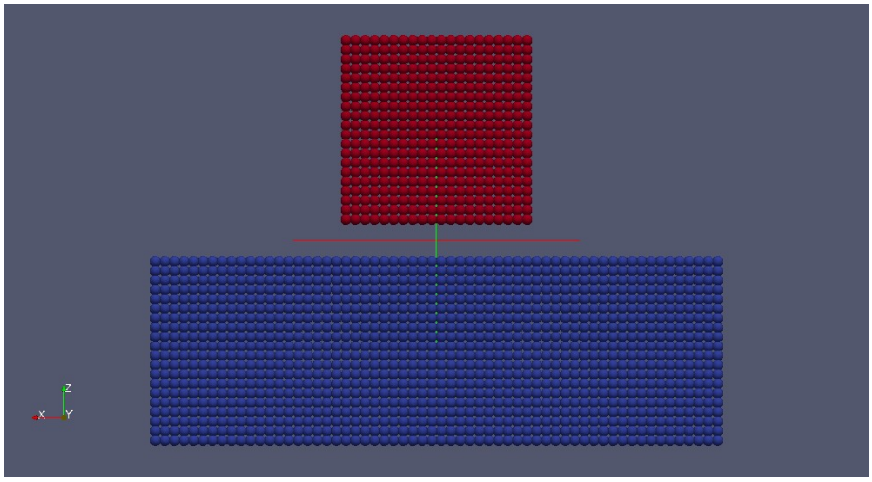
**Simulation using Linked Cell Algorithm**

The submitted solution folder contains .cpp files, make file, parameter and data files.

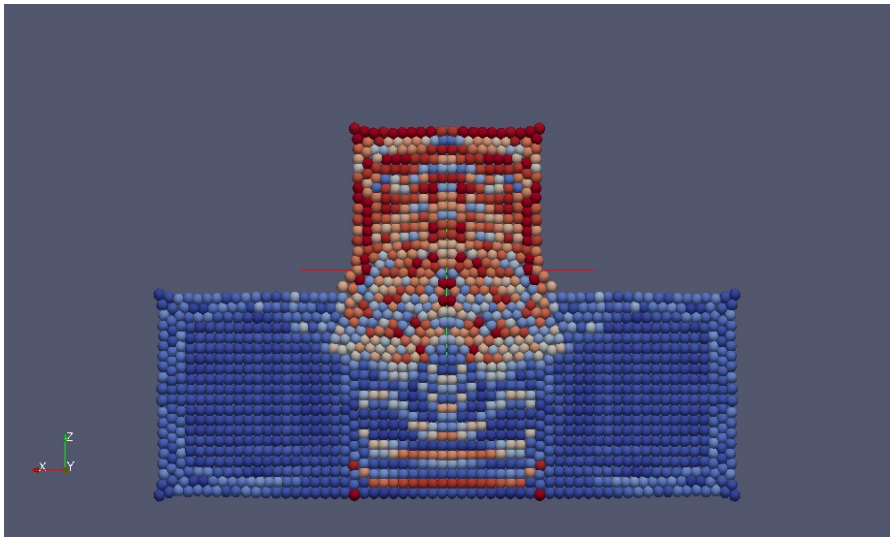
- Program can be compiled through the command "**make**".
- Program can be callable by "**./mdsim .par .dat**".
- Thus generates **.vtk** files.
- Simulation between two blocks of particles can be viewed using **paraview.**

The below simulation snippets shows the result of blocks-small.dat file,

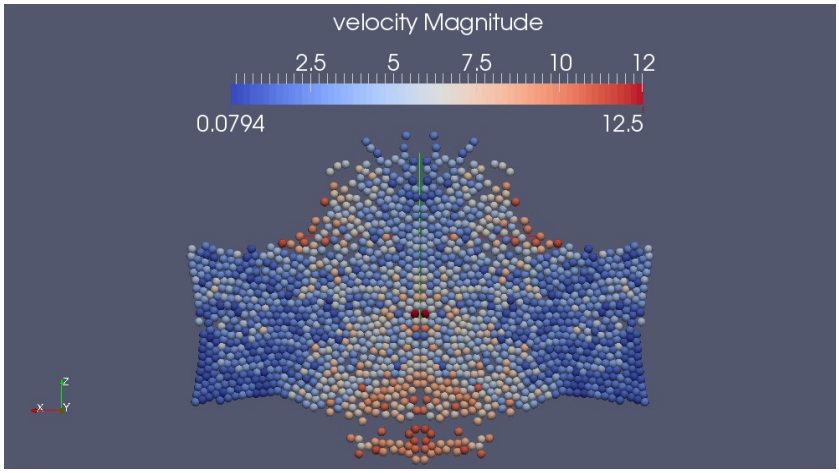
- At time step = 0,



- At time step = 11,



- At time step = 22,




- At time step = 100,