

How to run the simulation ?

Step 1. Go to the link <http://learning.gem5.org/book/part1/building.html> and install all the dependencies as mentioned.

Step 2. Download the Gem5 for the conventional cache from the link https://drive.google.com/file/d/1yIV7h8m-2Tkhc_87mUosk9Ls0VR3SWoA/view

Step 3. Download the Gem5 for the modified cache from the link https://drive.google.com/file/d/1FPmpuKarKd7LW_leTfewnMMLWU3wz1AJ/view

Step 4. CD into the Gem5 folder.

Step 5. Build the Gem5 by typing the following command
`sudo scons build/X86/gem5.opt`

Step 5. Run the program by typing the following command

```
build/X86/gem5.opt configs/example/se.py --cmd=tests/test-progs/hello/bin/x86/linux/mul.A
--cpu-type=TimingSimpleCPU --caches --l2cache --l2_size=64kB --num-cpus=2 --l1d_assoc=8
--l1i_assoc=8 --l2_assoc=8 --l1i_size=32kB --l1d_size=32kB
```