CSC 369 Worksheet 7 Solution

August 23, 2020

1. First, I need to run the program with seeds 1,2, and 3, and compute whether each virtual address generated by the process is in or out of bounds.

   By running the following commands, we see the corresponding base bounds register information (see images under each command).

   - `./relocation.py -s 1`
   - `./relocation.py -s 2`
   - `./relocation.py -s 3`

   Second, for the ones that are in bounds, I need to calculate the translation.

   ### Notes

   1. Simulation is run with command
   2. Reality → many programs share memory at the same time
   3. Virtualization → creates illution that program has its own private memory, where its own code and data inside
   4. Virtualization allows us turn into something useful, powerful and easy to use
   5. **Dynamic (Hardware-based) Relocation**
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