1. Running Below code for starting GPU Accelerator

ml NVHPC

srun -n 8 -N 1 --x11 --pty /bin/bash

1. Compiling and running the N-Body Simulator Cuda(.cu) Code supported by timer.h and files.h files

nvcc -std=c++11 -o nbody 01-nbody.cu

1. Profiling using below commands Execute the following cell to generate a report file:

nsys profile --stats=true --force-overwrite=true -o nbody-report ./nbody

nsys-ui ./nbody-report.nsys-rep

Please check the profiling report on the server path:  
/home/cougarnet.uh.edu/sbhusha3/assignment2/ASSIGNMENT2/nbody-report.nsys-rep

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated