2.

a) Print the current working directory

pwd

b) Change directories into a directory called somedir

cd somedir

c) List the names of all files in the current directory

ls

3.

a)

No

b)

gcc (GCC) 8.3.1 20190507 (Red Hat 8.3.1-4)

c)

gcc/0_cuda/5.3.0	gcc/4.8.x	gcc/5.2.x	gcc/6.4.0	gcc/7.x.x	gcc/9.2.0
gcc/0_cuda/6.4.0	gcc/4.9.2	gcc/5.3.0	gcc/6.4.x	gcc/8.1.0	gcc/acc/6.3.0
gcc/0_cuda/7	gcc/4.9.x	gcc/5.3.x	gcc/6.x.x	gcc/8.1.x	gcc/acc/8.1.1
gcc/0_cuda/7.1.0	gcc/4.x.x	gcc/5.5.0	gcc/7.1.0	gcc/8.2.0	gcc/latest
gcc/0_cuda/8.2.0	gcc/5.1.0	gcc/5.x.x	gcc/7.1.x	gcc/8.2.0-el7	gcc/next-recommended
gcc/4.4.7	gcc/5.1.x	gcc/6.1.0	gcc/7.2.0	gcc/8.2.x	gcc/recommended
gcc/4.8.4	gcc/5.2.0	gcc/6.1.x	gcc/7.3.0	gcc/8.x.x	

d)

gcc module loaded: gcc/recommended

gcc version number: 8.2.0

e)

Boost, a set of libraries for the C++ programming language that provide support for tasks and structures such as linear algebra, pseudorandom number generation, multithreading, image processing, regular expressions, and unit testing.

5.

a) The directory from which sbatch was invoked.

b) /srv/home/tienlung

c) The ID of the job allocation.

d) run an array task.

e) run the script 10 times, each time with task id 0~9.

f) request 1 gpu per node.