

Homework #1:

Due September 16 by 11:59pm via Canvas

1. Familiarize yourself with User Documentation on Wahab (OnDemand web portal, shell login, the notion of a job script, scheduler, queue, etc.). Learn how to login using terminal application and OnDemand portal. Submit:
 - (a) A list of URLs, which you've studied for the documentation.
 - (b) A screenshot of your being logged in the OnDemand portal of the Wahab or Turing cluster.
2. Copy the *slurmHex.c* and *slurmHex_script_template* to Wahab. Modify *slurmHex_script_template* such that **slurm** successfully executes a sequence of *srun* commands (from its Section 3), **each on a minimum required number of nodes**, as follows:
 - (a) Add *#SBATCH* commands with proper arguments in the script header (Section 1 of the script).
 - (b) Change the *cd* command argument to the correct path to your executable and script.

Submit:

- I. State the *squeue* command with appropriate arguments to find out all the running jobs in the system owned by a user.
- II. Provide a copy of your modified *slurmHex_script_template* that you've executed.
- III. Provide a copy of your output file from the execution of your script.
- IV. State the node names on which the script was executed.
- V. For each of the *srun* commands, after the script execution fill in the following table:

Srun arguments:	-N1 -n2	-N2 -n4	-N3 -n8	-N3 -n16 --ntasks-per-node=5
Number of nodes used				
Total number of tasks executed				
Resulting maximum number of tasks per node				