**Assignment 8**

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**Q1. Check the resources available in the "compute" partition before submitting your job.**

scontrol show partition=compute

**Q2. Start an interactive job on the "short" partition that runs for 30 minutes and requires 2 CPUs and 4 GB of memory.**

salloc --partition=short --time=30 --cpus-per-task=2 --mem=4GB

**Q3. See which nodes in the "compute" partition are available (idle and not allocated).**

scontrol show nodes | grep -A 5 "PartitionName=compute"

**Q4. Check the resource usage (memory, CPU) of all nodes in the "compute" partition.**

sinfo --partition=compute --long

**Q5. Monitor the progress of a specific job, say job ID 12345.**

scontrol show job 12345