**ASSIGNMAENT-9**

**Name:Suraj Kumar**

**PRN: -240840127041**

**Task 1: Create Reservation for the "exam" Partition**

**1. Create the Reservation:**

scontrol create reservation=examres name=examres partition=exam user=examuser duration=00:10:00 nodes=ALL

**2. Verifying the Reservation:**

scontrol show reservation examres

**Task 2: Update slurm.conf for Preemption Settings**

**a. Set PreemptType to preempt/partition\_prio and PreemptMode to SUSPEND,GANG**

PreemptType=preempt/partition\_prio

PreemptMode= **SUSPEND**, **GANG**

**b. Set PreemptType to preempt/qos and PreemptMode to SUSPEND,GANG**

PreemptType=preempt/qos

PreemptMode= **SUSPEND**, **GANG**

**3. Apply Configuration Changes:**

systemctl restart slurmctld

**Task 3: Submit a Job and Explain the Output**

**1. Submit a Job:**

sbatch --partition=exam --time=01:00:00 --ntasks=4 --mem=4G my\_job\_script.sh

