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M.Tech Data Analytics

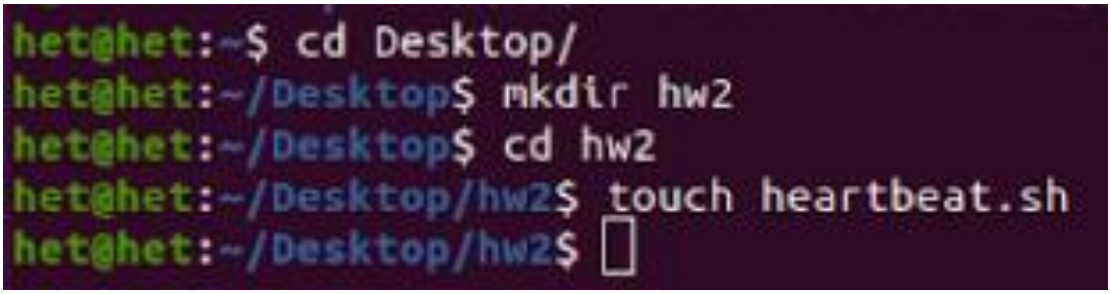
DevOps HOME-WORK 2

Effort Estimation and Observability

Q1 : Write a HEARTBEAT job using BASH using the system log of your choice on your desired operating system.

Step 1: Create the Heartbeat Script

1. Open a terminal and navigate to the desired directory:
2. Create a new Bash script:



3. Add the following content to the script:

4. Save the file and exit (CTRL+X, then Y, then Enter).
5. Make the script executable:

   chmod +x heartbeat.sh

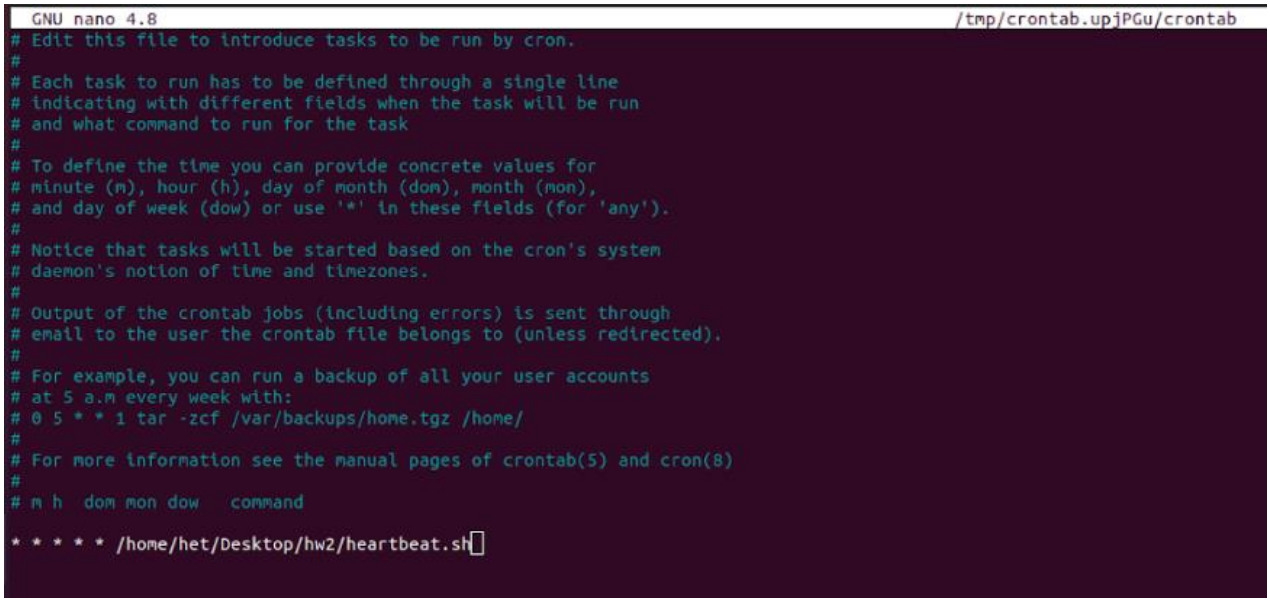
Step 2: Schedule the Script with Cron

1. Open the crontab editor:

2. Add the following line at the end of the file:

   *** * * * * /home/het/Desktop/hw2/heartbeat.sh**

   This schedules the script to run every minute.



3. Save and exit the crontab editor.

Step 3: Verify Execution

1. Check if the script runs by viewing system logs:

   journalctl -t HEARTBEAT -f

2. Output: