**Exercise: Process and Networking**

**1. As below**

a) Run a bash script that contains command **sleep 300** in the background and get the PID of the process.

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b) Bing the background process above to foreground (using **job ID).**

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**2. Write a Bash script that receive SIGINT/SIGTERM/SIGSTOP signal (Ctrl+C) and prints the corresponding signal number instead of terminating (google trap).**

Find a way to exit this script.

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**3. Write a script that has:**

- A counting from 0 to N function.

- A counting from N to 0 function.

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Run those functions parallel and print the number to terminal (google how to run multi process inside bash script).

**4. Write a script that scans all information from user given network interface. List all systems in the same network of that interface and their IP addresses, open ports.**

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**5. Write a DNS resolver script: takes input URL and gives back the IP address and the route to that URL.**

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