# Pregunta 1

# ivan nuñez rodriguez

```
GNU nano 6.2

#!/bin/bash
# Archivo de log
LOG_FILE="/home/ivan/logs/monitoreo_sistema.log"

# Crear el directorio de logs si no existe
mkdir -p "$(dirname "$LOG_FILE")"

# Iniciar monitoreo en bucle infinito
while true; do

FECHA-$(date "*%V-%m-%d %H:%H:%S")

CPU_USAGE-$(fate "**V-%m-%d %H:%H:%S")

CPU_USAGE-$(fate "million of the companies of
```

```
root@ubuntu:/home/ivan × + v

root@ubuntu:/home/ivan# sudo chmod +x /home/ivan/mi_script.sh

root@ubuntu:/home/ivan# |
```

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#### [Unit]

Description=Servicio de monitoreo del sistema After=network.target

#### [Service]

ExecStart=/home/ivan/mi\_script.sh

Restart=always

User=ivan

WorkingDirectory=/home/ivan

StandardOutput=append:/home/ivan/logs/monitoreo\_sistema.log StandardError=append:/home/ivan/logs/monitoreo\_sistema.log

TTYPath=/dev/null StandardInput=null

### [Install]

WantedBy=multi-user.target

```
root@ubuntu:/home/ivan# sudo systemctl daemon-reload
root@ubuntu:/home/ivan# sudo systemctl enable monitoreo.service
root@ubuntu:/home/ivan# sudo systemctl start monitoreo.service
root@ubuntu:/home/ivan# sudo systemctl start monitoreo.service
root@ubuntu:/home/ivan# |
```

```
root@ubuntu:/home/ivan/logs# tail -f /home/ivan/logs/monitoreo_sistema.log
{ "fecha": "2025-03-04 09:44:15", "cpu": "12%", "memoria": "37.02%", "disco": "6%" }
{ "fecha": "2025-03-04 09:44:25", "cpu": "10%", "memoria": "37.04%", "disco": "6%" }
{ "fecha": "2025-03-04 09:44:36", "cpu": "21%", "memoria": "37.04%", "disco": "6%" }
{ "fecha": "2025-03-04 09:44:46", "cpu": "9%", "memoria": "37.04%", "disco": "6%" }
{ "fecha": "2025-03-04 09:44:56", "cpu": "3%", "memoria": "37.04%", "disco": "6%" }
{ "fecha": "2025-03-04 09:45:07", "cpu": "41%", "memoria": "37.04%", "disco": "6%" }
{ "fecha": "2025-03-04 09:45:17", "cpu": "22%", "memoria": "37.04%", "disco": "6%" }
{ "fecha": "2025-03-04 09:45:28", "cpu": "33%", "memoria": "37.04%", "disco": "6%" }
{ "fecha": "2025-03-04 09:45:38", "cpu": "30%", "memoria": "37.02%", "disco": "6%" }
{ "fecha": "2025-03-04 09:45:49", "cpu": "6%", "memoria": "37.02%", "disco": "6%" }
{ "fecha": "2025-03-04 09:45:59", "cpu": "24%", "memoria": "37.02%", "disco": "6%" }
```