create script to list all files in `/var/log` every 5 seconds and append the list to `/tmp/list.log` file

```bash
#!/bin/bash

while true
do
        ls /var/log >> /tmp/list.log
        sleep 5
done
~
~
```

copy the script to `/usr/local/bin` directory and set the execution attribute to it

```
mahmoud@mahmoud-Virtual-Machine:~/Desktop$ cp script-.sh /usr/local/bin/
mahmoud@mahmoud-Virtual-Machine:~/Desktop$ ll  /usr/local/bin/
total 12
drwxrwxrwx  2 root    root    4096 12:50 22 فبر ./
drwxr-xr-x 10 root    root    4096 2022  9 أكت ../
-rw-rw-r--  1 mahmoud mahmoud   72 12:50 22 فبر script-.sh
```

```
mahmoud@mahmoud-Virtual-Machine:~/Desktop$ chmod a+x /usr/local/bin/script-.sh
mahmoud@mahmoud-Virtual-Machine:~/Desktop$ ll  /usr/local/bin/
total 12
drwxrwxrwx  2 root    root    4096 12:50 22 فبر ./
drwxr-xr-x 10 root    root    4096 2022  9 أكت ../
-rwxrwxr-x  1 mahmoud mahmoud   72 12:50 22 فبر script-.sh*
```

create systemd service file to execute the the script as background service

```
mahmoud@mahmoud-Virtual-Machine:/etc/systemd/system$ cat mybg_process.service
[Unit]
Description=my_bg_process_to_list_files

[Service]
User=root
WorkingDirectory=/usr/local/bin
ExecStart=/bin/bash /usr/local/bin/script-.sh
Restart=on-abort

[Install]
WantedBy=multi-user.target
```

```
mahmoud@mahmoud-Virtual-Machine:/etc/systemd/system$ sudo systemctl daemon-reload
mahmoud@mahmoud-Virtual-Machine:/etc/systemd/system$ sudo systemctl start mybg_process.service
mahmoud@mahmoud-Virtual-Machine:/etc/systemd/system$ systemctl status mybg_process.service
● mybg_process.service - my_bg_process_to_list_files
     Loaded: loaded (/etc/systemd/system/mybg_process.service; disabled; vendor preset: enabled)
     Active: active (running) since Wed 2023-02-22 13:39:31 EET; 5s ago
   Main PID: 4424 (bash)
      Tasks: 2 (limit: 2143)
     Memory: 736.0K
        CPU: 20ms
     CGroup: /system.slice/mybg_process.service
             ├─4424 /bin/bash /usr/local/bin/script-.sh
             └─4428 sleep 5
```

using `cron`, schedule a job every 5 minutes to copy `/tmp/list.log` file to `/tmp/list.log.1` and compress the file using `zip` command

```
# at 5 a.m every week with:
# 0 5 * * 1 tar -zcf /var/backups/home.tgz /home/
  */5 * * * *  zip -r  /tmp/list.log.1.zip /tmp/list.log
```

```
mahmoud@mahmoud-Virtual-Machine:/etc/systemd/system$ ll /tmp
total 208
drwxrwxrwt 20 root     root      4096 13:55 22 فبر ./
drwxr-xr-x 20 root     root      4096 18:58 1  فبر ../
drwxrwxrwt  2 root     root      4096 13:06 22 فبر .font-unix/
-rw-------  1 mahmoud mahmoud       0 13:07 22 فبر gdm3-config-err-BfH7q3
drwxrwxrwt  2 root     root      4096 13:07 22 فبر .ICE-unix/
-rw-r--r--  1 root     root    121338 13:55 22 فبر list.log
-rw-rw-r--  1 mahmoud mahmoud    1078 13:55 22 فبر list.log.1.zip
```