Autorun C++ program

1. Make program full authorize

```
sudo chmod 777 /BIO/Program/MCC_DAQ_HATS/MCC_DAQHATS
sudo chmod +x /BIO/Program/MCC_DAQ_HATS/MCC_DAQHATS
```

2. Create the "rc.local" file. The rc.local file in Linux is a script that traditionally allowed system administrators to execute custom commands or scripts during the system startup process, specifically after all other standard init scripts had completed and the system had reached a multi-user runlevel.

```
sudo nano /etc/rc.local
        #!/bin/bash
        /BIO/Program/MCC_DAQ_HATS/MCC_DAQHATS &
        exit 0
```

3. Make "rc.local" full authorize

```
sudo chmod 777 /etc/rc.local
sudo chmod +x /etc/rc.local
```

4. Create the "rc-local.service" full authorize. The rc-local.service file in Linux is a systemd unit that provides compatibility for the traditional /etc/rc.local script.

```
sudo nano /etc/systemd/system/rc-local.service

[Unit]
Description=/etc/rc.local Compatibility
ConditionPathExists=/etc/rc.local
After=network-online.target


[Service]
Type=forking
ExecStart=/etc/rc.local start
TimeoutSec=0
StandardOutput=tty
RemainAfterExit=yes
SysVStartPriority=99


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

5. To enable "rc-local.service" autorun in Linux

```
sudo systemctl enable rc-local.service
```

6. To check "rc-local.service" status

```
sudo systemctl status rc-local.service
```

7. Manual start the service

```
sudo systemctl start rc-local.service
```

8. Manual stop the service

```
sudo systemctl stop rc-local.service
```