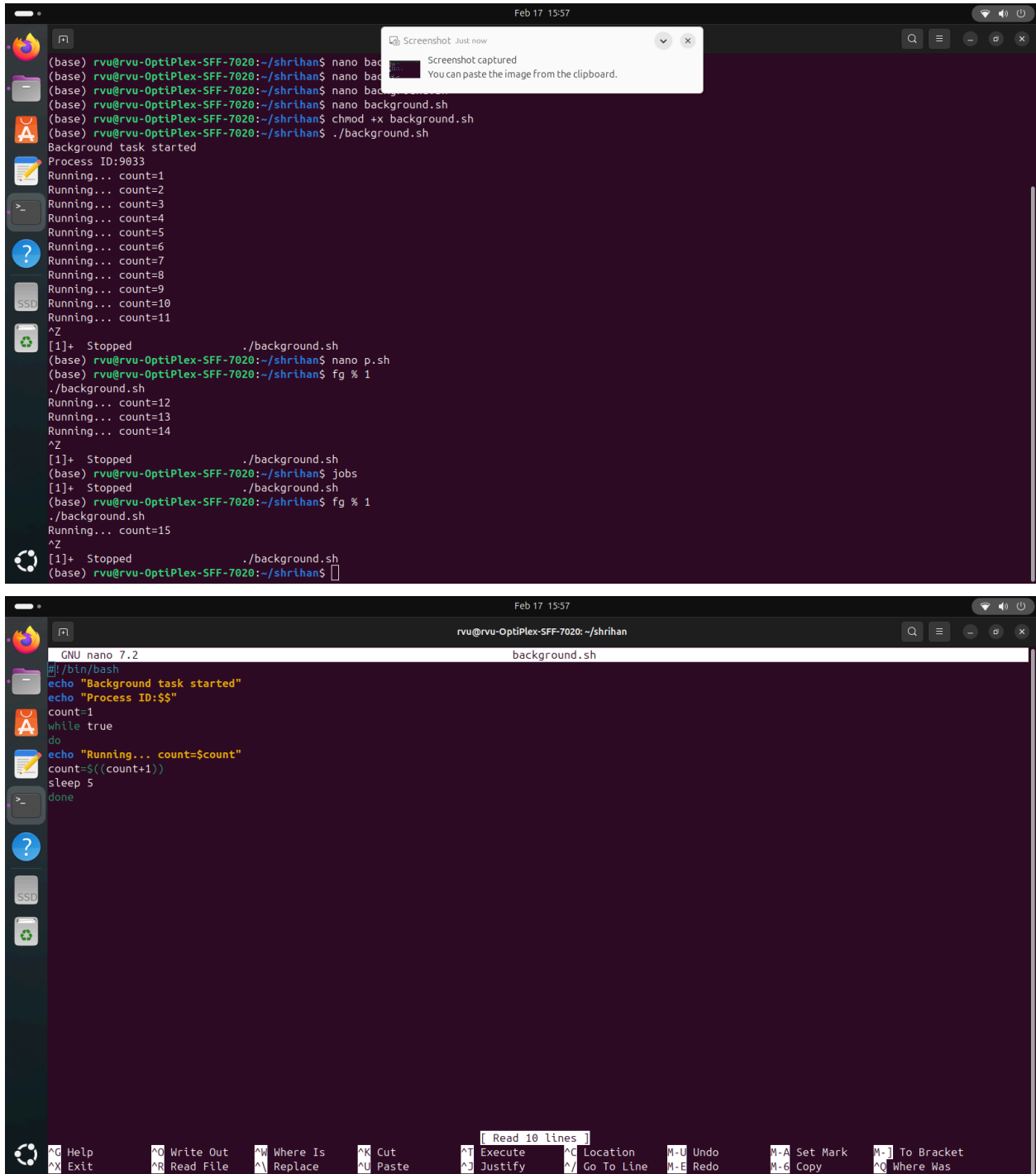


```
Feb 17 15:57
rvu@rvu-OptiPlex-SFF-7020: ~/shrihan

(base) rvu@rvu-OptiPlex-SFF-7020:~$ cd shrihan
(base) rvu@rvu-OptiPlex-SFF-7020:~/shrihan$ jobs
(base) rvu@rvu-OptiPlex-SFF-7020:~/shrihan$ fg % 1
bash: fg: %: no such job
(base) rvu@rvu-OptiPlex-SFF-7020:~/shrihan$ fg%1
fg%1: command not found
(base) rvu@rvu-OptiPlex-SFF-7020:~/shrihan$ nano pro.sh
(base) rvu@rvu-OptiPlex-SFF-7020:~/shrihan$ bash pro.sh
Parent PID:8839
(base) rvu@rvu-OptiPlex-SFF-7020:~/shrihan$ fg % 1
bash: fg: %: no such job
(base) rvu@rvu-OptiPlex-SFF-7020:~/shrihan$ nano pro.sh
(base) rvu@rvu-OptiPlex-SFF-7020:~/shrihan$ nano background_task.sh
(base) rvu@rvu-OptiPlex-SFF-7020:~/shrihan$ nano background_task.sh
(base) rvu@rvu-OptiPlex-SFF-7020:~/shrihan$ nano background.sh
(base) rvu@rvu-OptiPlex-SFF-7020:~/shrihan$ nano background.sh
(base) rvu@rvu-OptiPlex-SFF-7020:~/shrihan$ chmod +x background.sh
(base) rvu@rvu-OptiPlex-SFF-7020:~/shrihan$ ./background.sh
Background task started
Process ID:9033
Running... count=1
Running... count=2
Running... count=3
Running... count=4
Running... count=5
Running... count=6
Running... count=7
Running... count=8
Running... count=9
Running... count=10
Running... count=11
^Z
[1]+  Stopped                  ./background.sh
(base) rvu@rvu-OptiPlex-SFF-7020:~/shrihan$ nano p.sh
(base) rvu@rvu-OptiPlex-SFF-7020:~/shrihan$ fg % 1
./background.sh
Running... count=12
```

fg %1 → Brings **job number 1** (shown by the **jobs** command) from the background to the foreground, so it runs in your current terminal.



```
(base) rvu@rvu-OptiPlex-SFF-7020:~/shrihan$ nano background.sh
(base) rvu@rvu-OptiPlex-SFF-7020:~/shrihan$ nano background.sh
(base) rvu@rvu-OptiPlex-SFF-7020:~/shrihan$ nano background.sh
(base) rvu@rvu-OptiPlex-SFF-7020:~/shrihan$ nano background.sh
(base) rvu@rvu-OptiPlex-SFF-7020:~/shrihan$ chmod +x background.sh
(base) rvu@rvu-OptiPlex-SFF-7020:~/shrihan$ ./background.sh
Background task started
Process ID:9033
Running... count=1
Running... count=2
Running... count=3
Running... count=4
Running... count=5
Running... count=6
Running... count=7
Running... count=8
Running... count=9
Running... count=10
Running... count=11
^Z
[1]+  Stopped                  ./background.sh
(base) rvu@rvu-OptiPlex-SFF-7020:~/shrihan$ nano p.sh
(base) rvu@rvu-OptiPlex-SFF-7020:~/shrihan$ fg %1
./background.sh
Running... count=12
Running... count=13
Running... count=14
^Z
[1]+  Stopped                  ./background.sh
(base) rvu@rvu-OptiPlex-SFF-7020:~/shrihan$ jobs
[1]+  Stopped                  ./background.sh
(base) rvu@rvu-OptiPlex-SFF-7020:~/shrihan$ fg %1
./background.sh
Running... count=15
^Z
[1]+  Stopped                  ./background.sh
(base) rvu@rvu-OptiPlex-SFF-7020:~/shrihan$
```

```
GNU nano 7.2 background.sh
#!/bin/bash
echo "Background task started"
echo "Process ID:$$"
count=1
while true
do
echo "Running... count=$count"
count=$((count+1))
sleep 5
done
```

Read 10 lines

Help Exit Write Out Read File Where Is Replace Cut Paste Execute Justify Location Go To Line Undo Redo Set Mark Copy To Bracket Where Was

This Bash script runs an **infinite loop** that:

```
Feb 17 16:01
rvu@rvu-OptiPlex-SFF-7020: ~/shrihan
GNU nano 7.2 p.sh
#!/bin/bash
echo "Process Control Demonstration"
echo "Parent Shell PID: $$"
echo "Starting a long-running process (sleep 100).."
sleep 100 &
PID1=$!
echo "Process started with PID: $PID1"
echo "Current Jobs:"
jobs
echo "Now you can:"
echo "1. Use 'fg%1' to bring it to foreground"
echo "2. Press Ctrl+Z to suspend"
echo "3. use 'bg%1' to resume the background"
echo "4. use 'kill$PID1' to terminate"
wait

[ Read 15 lines ]
^G Help      ^O Write Out  ^M Where Is  ^K Cut       ^T Execute   ^C Location  ^U Undo      ^_ Set Mark  ^I To Bracket
^X Exit      ^R Read File  ^\ Replace   ^U Paste     ^J Justify   ^Y Go To Line ^E Redo      ^G Copy     ^O Where Was

(base) rvu@rvu-OptiPlex-SFF-7020:~/shrihan$ jobs
[1]-  Stopped                  ./background.sh
[2]+  Stopped                  ./background.sh
(base) rvu@rvu-OptiPlex-SFF-7020:~/shrihan$ ps -f | grep background
rvu    9033   8779   0 15:54 pts/0    00:00:00 /bin/bash ./background.sh
rvu    9767   8779   0 16:01 pts/0    00:00:00 /bin/bash ./background.sh
rvu    9792   8779   0 16:02 pts/0    00:00:00 grep --color=auto background
(base) rvu@rvu-OptiPlex-SFF-7020:~/shrihan$ fg %1
./background.sh
Running... count=3
Running... count=4
Running... count=5
```

Prints "Background task started" and its own process ID (\$\$).

Then repeatedly prints "Running... count=N" every 5 seconds, where N increments by 1 each time.

It never ends unless manually stopped.