# **Assignment 7**

# Niramay Vaidya 111605075 Srishti Shelke 111603056

**2.** Create a game program that switches between the effective user ID and real user ID. The game player may write details (like game iteration number) to a file owned by the game player and manipulates a scores file that should be writable only by the game program owner. Both the game program and scores file are owned by the game program owner. Demonstrate that the game player can switch between the files in turns as own file, scores file, own file and scores file.

```
    niranay@Niranay
    -/Documents/sem7/AUP/assignment 7
    ll game own scores

    -rwsrwxr-x 1 temp
    niranay 9136 Oct 14 19:37 game*

    -rw-r--r-- 1 niranay
    4 Oct 14 19:37 own

    -rw-r--r-- 1 temp
    niranay 4 Oct 14 19:37 scores

    -rw-r--r-- 1 temp
    niranay 4 Oct 14 19:37 scores

    niranay@Niranay
    -/Documents/sem7/AUP/assignment 7

    10048
    19:37:48
```

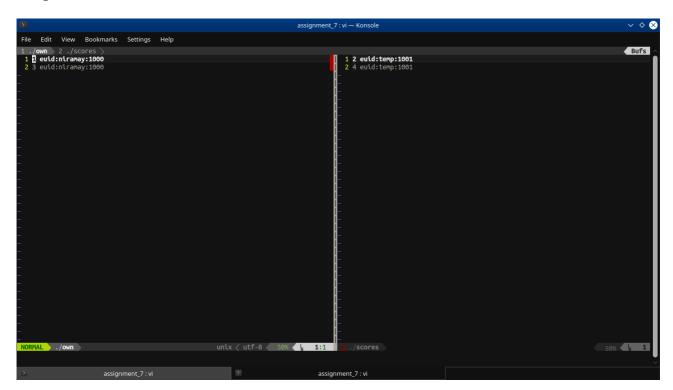
#### Code-

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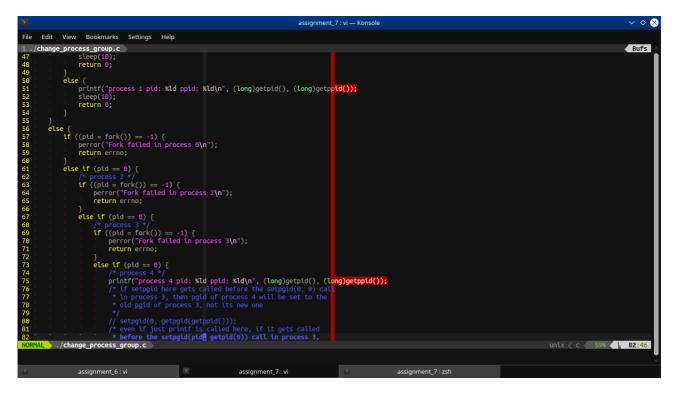
## **Output-**



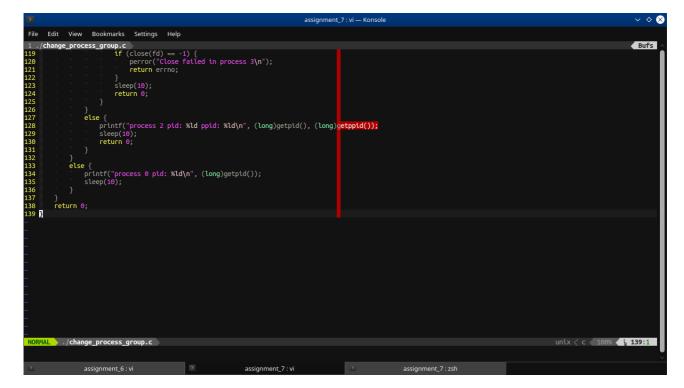
**1.** You have to create a process tree as shown below. Then you create a process group of (3, 4, 5) so that later (not to be implemented now) process 0 can send a signal to this group.

### Code-

```
| Second | S
```



```
| Second | S
```



(error handling has been done for setpgid() later on but is not visible in the screenshots of the code)

### **Output-**