Task-

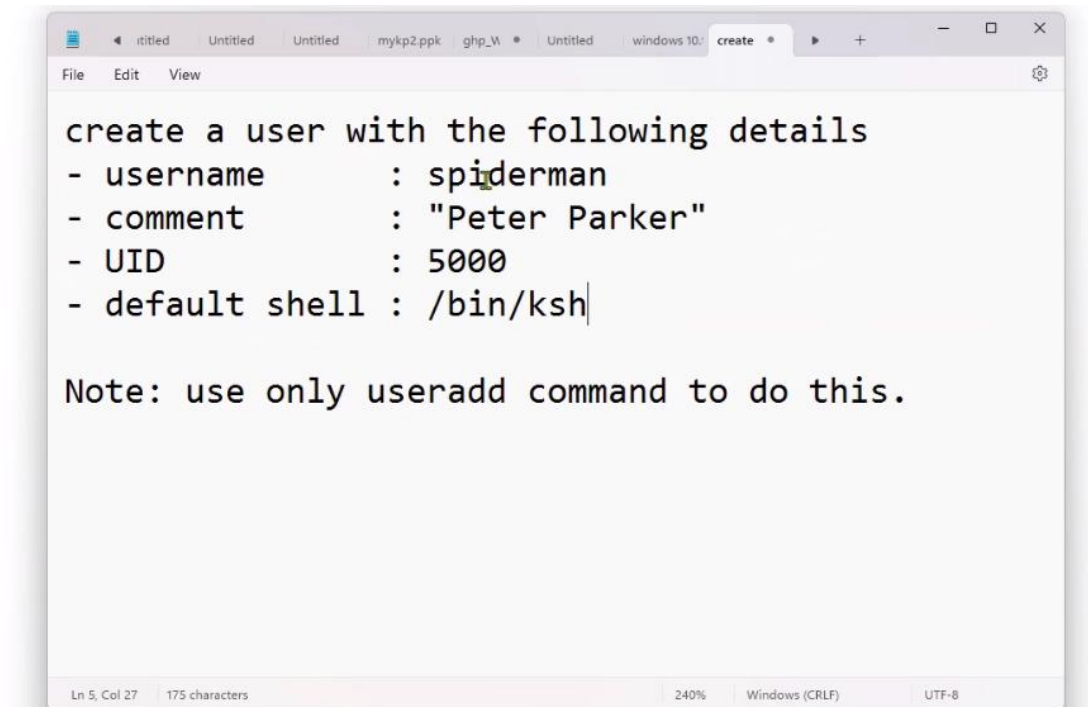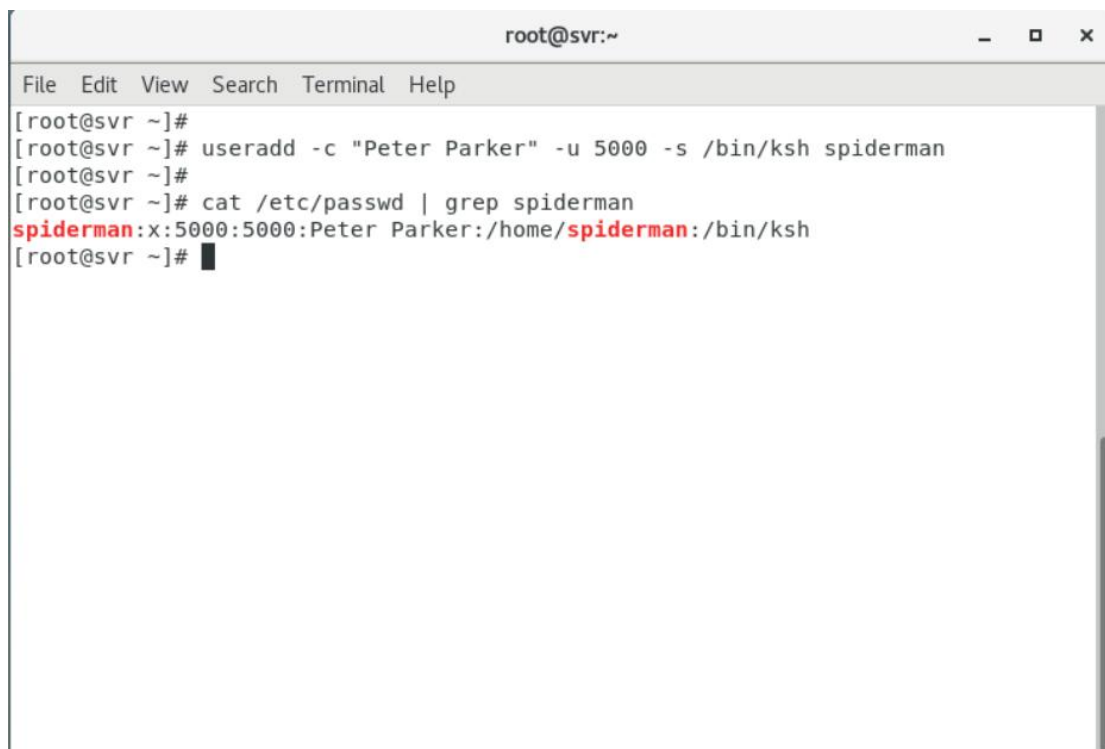Solution-