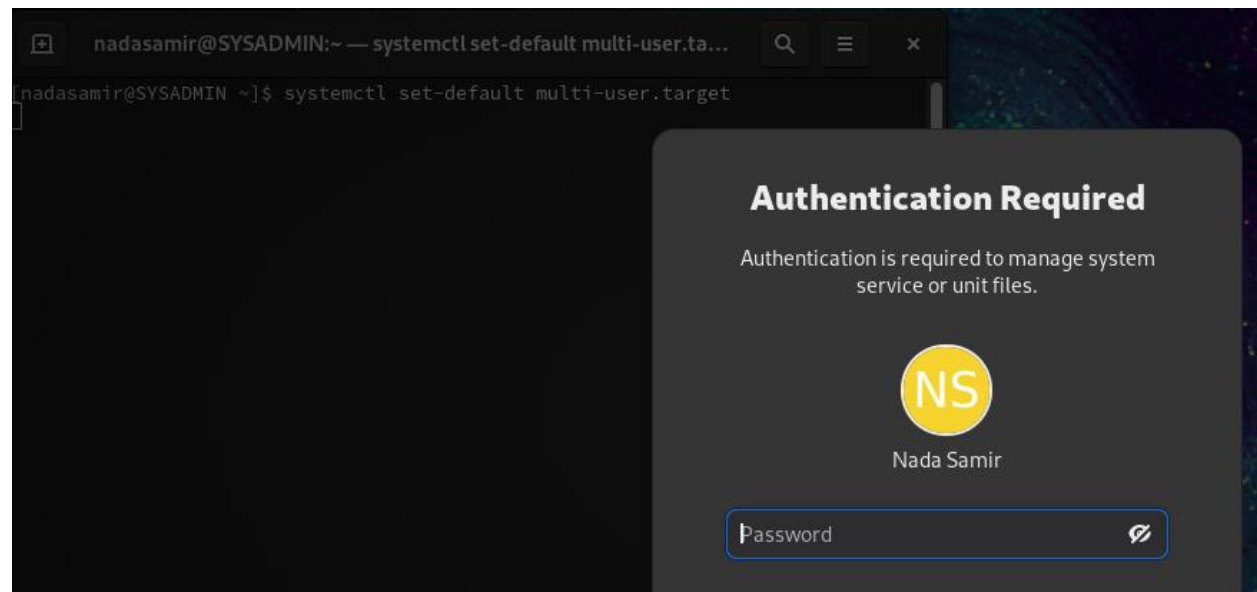


Question 2:

```
[nadasamir@SYSADMIN ~]$ systemctl isolate multi-user.target
```

Question 3:



The image shows a terminal window with the command `systemctl set-default multi-user.target` entered. An authentication dialog box is overlaid on the terminal. The dialog box has a title bar with the text "nadasamir@SYSADMIN:~ — systemctl set-default multi-user.ta...". The main content of the dialog box is:

**Authentication Required**

Authentication is required to manage system service or unit files.

Below the text is a yellow circular icon with the letters "NS" in white. Underneath the icon is the name "Nada Samir". At the bottom of the dialog box is a password input field with the placeholder text "Password" and a small icon of a key.

```
[nadasamir@SYSADMIN ~]$ systemctl set-default multi-user.target
Removed "/etc/systemd/system/default.target".
Created symlink /etc/systemd/system/default.target → /usr/lib/systemd/system/multi-user.target.
[nadasamir@SYSADMIN ~]$
```

Question 4:

```
load_video
set gfxpayload=keep
insmod gzio
linux ($root)/vmlinuz-0-rescue-58ac76ed316e42dabee3874d127ae366 root=/dev/mapp\
er/cs_192-root ro crashkernel=1G-4G:192M,4G-64G:256M,64G-:512M resume=/dev/map\
per/cs_192-swap rd.lvm.lv=cs_192/root rd.lvm.lv=cs_192/swap rhgb quiet systemd\
.unit rescue.target
initrd ($root)/initramfs-0-rescue-58ac76ed316e42dabee3874d127ae366.img
```

Press Ctrl-x to start, Ctrl-c for a command prompt or Escape to  
discard edits and return to the menu. Pressing Tab lists  
possible completions.

Question 5:

```
localhost login: root
Password:
Last login: Thu Aug 10 08:13:20 on tty1
[root@localhost ~]# systemctl set-default graphical.target
```

Question 6:

```
[nadasamir@SYSADMIN ~]$ systemctl status sshd
● sshd.service - OpenSSH server daemon
   Loaded: loaded (/usr/lib/systemd/system/sshd.service; enabled; vendor preset: enabled)
   Active: active (running) since Thu 2023-08-10 08:21:26 EET; 9min ago
     Docs: man:sshd(8)
           man:sshd_config(5)
  Main PID: 979 (sshd)
    Tasks: 1 (limit: 3962)
   Memory: 300.0K
      CPU: 24ms
   CGroup: /system.slice/sshd.service
           └─979 "sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups"

Aug 10 08:21:26 SYSADMIN systemd[1]: Starting OpenSSH server daemon...
Aug 10 08:21:26 SYSADMIN sshd[979]: Server listening on 0.0.0.0 port 22.
Aug 10 08:21:26 SYSADMIN sshd[979]: Server listening on :: port 22.
Aug 10 08:21:26 SYSADMIN systemd[1]: Started OpenSSH server daemon.
```

Question 7:

```
[nadasamir@SYSADMIN ~]$ systemctl restart sshd
[nadasamir@SYSADMIN ~]$ systemctl status sshd
● sshd.service - OpenSSH server daemon
   Loaded: loaded (/usr/lib/systemd/system/sshd.service; enabled; vendor preset: enabled)
   Active: active (running) since Thu 2023-08-10 08:34:20 EET; 9s ago
     Docs: man:sshd(8)
           man:sshd_config(5)
  Main PID: 3430 (sshd)
    Tasks: 1 (limit: 3962)
   Memory: 2.0M
      CPU: 23ms
   CGroup: /system.slice/sshd.service
           └─3430 "sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups"
```

Question 8:

```
[nadasamir@SYSADMIN ~]$ systemctl reload sshd
[nadasamir@SYSADMIN ~]$ systemctl status sshd
● sshd.service - OpenSSH server daemon
   Loaded: loaded (/usr/lib/systemd/system/sshd.service; enabled; vendor preset: enabled)
   Active: active (running) since Thu 2023-08-10 08:34:20 EET; 1min 27s ago
     Docs: man:sshd(8)
           man:sshd_config(5)
  Process: 3505 ExecReload=/bin/kill -HUP $MAINPID (code=exited, status=0/SUCCESS)
  Main PID: 3430 (sshd)
    Tasks: 1 (limit: 3962)
   Memory: 3.1M
      CPU: 44ms
   CGroup: /system.slice/sshd.service
           └─3430 "sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups"
```

Question 9:

```
[nadasamir@SYSADMIN ~]$ systemctl status chronyd
● chronyd.service - NTP client/server
   Loaded: loaded (/usr/lib/systemd/system/chronyd.service; enabled; vendor preset: enabled)
   Active: active (running) since Thu 2023-08-10 08:21:25 EET; 16min ago
     Docs: man:chronyd(8)
           man:chrony.conf(5)
  Process: 930 ExecStart=/usr/sbin/chronyd $OPTIONS (code=exited, status=0/SUCCESS)
  Main PID: 950 (chronyd)
    Tasks: 1 (limit: 3962)
   Memory: 992.0K
      CPU: 236ms
   CGroup: /system.slice/chronyd.service
           └─950 /usr/sbin/chronyd -F 2
```

Question 10:

```
[nadasamir@SYSADMIN ~]$ systemctl stop chronyd
[nadasamir@SYSADMIN ~]$ systemctl status chronyd
● chronyd.service - NTP client/server
   Loaded: loaded (/usr/lib/systemd/system/chronyd.service; enabled; vendor preset: enabled)
   Active: inactive (dead) since Thu 2023-08-10 08:39:01 EET; 2s ago
     Duration: 17min 36.513s
    Docs: man:chronyd(8)
          man:chrony.conf(5)
   Process: 930 ExecStart=/usr/sbin/chronyd $OPTIONS (code=exited, status=0/SUCCESS)
   Main PID: 950 (code=exited, status=0/SUCCESS)
      CPU: 246ms
```

Question 11:

We can use `systemctl status chronyd`

Or `is-enabled`

```
[nadasamir@SYSADMIN ~]$ systemctl stop chronyd
[nadasamir@SYSADMIN ~]$ systemctl status chronyd
● chronyd.service - NTP client/server
   Loaded: loaded (/usr/lib/systemd/system/chronyd.service; enabled; vendor preset: enabled)
   Active: inactive (dead) since Thu 2023-08-10 08:39:01 EET; 2s ago
     Duration: 17min 36.513s
    Docs: man:chronyd(8)
          man:chrony.conf(5)
   Process: 930 ExecStart=/usr/sbin/chronyd $OPTIONS (code=exited, status=0/SUCCESS)
   Main PID: 950 (code=exited, status=0/SUCCESS)
      CPU: 246ms

[nadasamir@SYSADMIN ~]$ systemctl is-enabled chronyd
enabled
```

Question 12:

After rebooting

```
[nadasamir@SYSADMIN ~]$ systemctl status chronyd
● chronyd.service - NTP client/server
   Loaded: loaded (/usr/lib/systemd/system/chronyd.service; enabled; vendor p>
   Active: active (running) since Thu 2023-08-10 08:44:53 EET; 2min 53s ago
     Docs: man:chronyd(8)
           man:chrony.conf(5)
   Process: 789 ExecStart=/usr/sbin/chronyd $OPTIONS (code=exited, status=0/SU>
  Main PID: 809 (chronyd)
    Tasks: 1 (limit: 4364)
   Memory: 884.0K
      CPU: 74ms
   CGroup: /system.slice/chronyd.service
           └─809 /usr/sbin/chronyd -F 2
```

Question 13:

```
[nadasamir@SYSADMIN ~]$ systemctl disable chronyd
Removed "/etc/systemd/system/multi-user.target.wants/chronyd.service".
[nadasamir@SYSADMIN ~]$ systemctl status chronyd
● chronyd.service - NTP client/server
   Loaded: loaded (/usr/lib/systemd/system/chronyd.service; disabled; vendor >
   Active: active (running) since Thu 2023-08-10 08:44:53 EET; 4min 44s ago
     Docs: man:chronyd(8)
           man:chrony.conf(5)
  Main PID: 809 (chronyd)
    Tasks: 1 (limit: 4364)
   Memory: 960.0K
      CPU: 76ms
   CGroup: /system.slice/chronyd.service
           └─809 /usr/sbin/chronyd -F 2
```

Question 14:

```
nadasamir@SYSADMIN ~]$ systemctl status chronyd
chronyd.service - NTP client/server
   Loaded: loaded (/usr/lib/systemd/system/chronyd.service; disabled; vendor
   Active: inactive (dead)
     Docs: man:chronyd(8)
           man:chrony.conf(5)
lines 1-5/5 (END)
```

