

## Task A

A.

```
clarence@clarencekali: ~  
File Actions Edit View Help  
  
(clarence@clarencekali)-[~]  
$ sudo useradd -m -k /etc/skel Alice  
[sudo] password for clarence:  
(clarence@clarencekali)-[~]  
$
```

B. 1)

```
clarence@clarencekali: ~  
File Actions Edit View Help  
  
#!/bin/bash  
midas=ckimb0002  
curr_date=$(date +%Y.%m.%d-%H.%S)  
  
var1=$midas-$curr_date  
  
echo $var1
```

```
clarence@clarencekali: ~  
File Actions Edit View Help  
  
(clarence@clarencekali)-[~]  
$ ./log_time.sh  
ckimb0002-2022.11.11-13.39
```

B. 2)

```
clarence@clarencekali: ~  
File Actions Edit View Help  
  
#!/bin/bash  
midas=ckimb0002  
curr_date=$(date +%Y.%m.%d-%H.%S)  
  
var1=$midas-$curr_date  
  
tar -cvf $var1 /home/Alice  
█
```

```
clarence@clarencekali: ~  
File Actions Edit View Help  
  
(clarence@clarencekali)-[~]  
$ ./log_time.sh  
tar: Removing leading `/' from member names  
/home/Alice/  
/home/Alice/.bashrc  
/home/Alice/.zshrc  
/home/Alice/.config/  
/home/Alice/.config/autostart/  
/home/Alice/.config/autostart/fix-duplicated-xfce-panel-launcher.desktop  
/home/Alice/.config/xfce4/  
/home/Alice/.config/xfce4/panel/  
/home/Alice/.config/xfce4/panel/cpugraph-13.rc  
/home/Alice/.config/xfce4/panel/genmon-15.rc  
/home/Alice/.config/powershell/  
/home/Alice/.config/powershell/Microsoft.PowerShell_profile.ps1  
/home/Alice/.config/cherrytree/  
/home/Alice/.config/cherrytree/config.cfg  
/home/Alice/.bashrc.original  
/home/Alice/.bash_logout  
/home/Alice/.java/  
/home/Alice/.java/.userPrefs/  
/home/Alice/.java/.userPrefs/burp/  
/home/Alice/.java/.userPrefs/burp/prefs.xml  
/home/Alice/.profile  
/home/Alice/.face  
/home/Alice/.face.icon  
  
(clarence@clarencekali)-[~]  
$
```

B. 3)

```
clarence@clarencekali: ~  
File Actions Edit View Help  
#!/bin/bash  
midas=ckimb0002  
curr_date=$(date +%Y.%m.%d-%H.%S)  
  
var1=$midas-$curr_date  
  
tar -cvf $var1 /home/Alice  
  
mv $var1 /var/backups/
```

```
clarence@clarencekali: ~  
File Actions Edit View Help  
(clarence@clarencekali)-[~]  
$ sudo ./log_time.sh  
[sudo] password for clarence:  
tar: Removing leading `/' from member names  
/home/Alice/  
/home/Alice/.bashrc  
/home/Alice/.zshrc  
/home/Alice/.config/  
/home/Alice/.config/autostart/  
/home/Alice/.config/autostart/fix-duplicated-xfce-panel-launcher.desktop  
/home/Alice/.config/xfce4/  
/home/Alice/.config/xfce4/panel/  
/home/Alice/.config/xfce4/panel/cpugraph-13.rc  
/home/Alice/.config/xfce4/panel/genmon-15.rc  
/home/Alice/.config/powershell/  
/home/Alice/.config/powershell/Microsoft.PowerShell_profile.ps1  
/home/Alice/.config/cherrytree/  
/home/Alice/.config/cherrytree/config.cfg  
/home/Alice/.bashrc.original  
/home/Alice/.bash_logout  
/home/Alice/.java/  
/home/Alice/.java/.userPrefs/  
/home/Alice/.java/.userPrefs/burp/  
/home/Alice/.java/.userPrefs/burp/prefs.xml  
/home/Alice/.profile  
/home/Alice/.face  
/home/Alice/.face.icon
```

```
clarence@clarencekali: ~  
File Actions Edit View Help  
(clarence@clarencekali)-[~]  
$ ls /var/backups  
alternatives.tar.0    ckimb0002-2022.11.11-13.13  dpkg.diversions.0    dpkg.status.0  
apt.extended_states.0  dpkg.arch.0                dpkg.statoverride.0  
  
(clarence@clarencekali)-[~]  
$
```

```
(clarence@clarencekali)-[~]
$ ls /var/backups
alternatives.tar.0      ckimb0002-2022.11.11-13.13  dpkg.statoverride.0
apt.extended_states.0  dpkg.arch.0                dpkg.status.0
ckimb0002-2022.11.11-13.04  dpkg.diversions.0
```

C.

```
clarence@clarencekali: ~
File Actions Edit View Help
#!/bin/bash
midas=ckimb0002
curr_date=$(date +%Y.%m.%d-%H.%S)

var1=$midas-$curr_date

tar -zcvf $var1 /home/Alice

mv $var1 /var/backups/
```

2.

```
clarence@clarencekali: ~
File Actions Edit View Help
# Edit this file to introduce tasks to be run by cron.
#
# Each task to run has to be defined through a single line
# indicating with different fields when the task will be run
# and what command to run for the task
#
# To define the time you can provide concrete values for
# minute (m), hour (h), day of month (dom), month (mon),
# and day of week (dow) or use '*' in these fields (for 'any').
#
# Notice that tasks will be started based on the cron's system
# daemon's notion of time and timezones.
#
# Output of the crontab jobs (including errors) is sent through
# email to the user the crontab file belongs to (unless redirected).
#
# For example, you can run a backup of all your user accounts
# at 5 a.m every week with:
# 0 5 * * 1 tar -zcf /var/backups/home.tgz /home/
#
# For more information see the manual pages of crontab(5) and cron(8)
#
# m h dom mon dow   comman
*/3 * * * * /var/backups/log_time.sh
~
~
~
~
~
~
:wq
```

```
clarence@clarencekali: ~
File Actions Edit View Help
(clarence@clarencekali)-[~]
$ ls /var/backups
alternatives.tar.0          ckimb0002-2022.11.11-13.13  dpkg.arch.0                dpkg.status.0
apt.extended_states.0      ckimb0002-2022.11.11-15.04  dpkg.diversions.0          dpkg.statoverride.0
ckimb0002-2022.11.11-13.04  ckimb0002-2022.11.11-15.19  dpkg.statoverride.0
```

```
clarence@clarencekali: ~
File Actions Edit View Help
(clarence@clarencekali)-[~]
$ sudo crontab -r
(clarence@clarencekali)-[~]
$
```