

Step 1

```
(kayla@jarvis)-[~]
└─$ sudo useradd -m Alice
[sudo] password for kayla:

(kayla@jarvis)-[~]
└─$ sudo passwd Alice
New password:
Retype new password:
passwd: password updated successfully
```

Step 2

```
GNU nano 8.4
#!/bin/bash

midas="mthom062"
date = $(date +"%Y.%m.%d-%H.%M.%S")
filename="${midas}-${date}"

sudo tar -cvf "${filename}.tar" /home/Alice
sudo mv "${filename}.tar" /var/backups/
sudo gzip /var/backups/"${filename}.tar"
```

```
(kayla@jarvis)-[~]
└─$ ./backup.sh
date: extra operand '2025.11.30-22.45.50'
Try 'date --help' for more information.
tar: Removing leading '/' from member names
/home/Alice/
/home/Alice/.config/
/home/Alice/.config/powershell/
/home/Alice/.config/powershell/Microsoft.PowerShell_profile.ps1
/home/Alice/.config/nautilus/
/home/Alice/.config/nautilus/scripts-accel
/home/Alice/.config/cherrytree/
/home/Alice/.config/cherrytree/config.cfg
/home/Alice/.config/xfce4/
/home/Alice/.config/xfce4/panel/
/home/Alice/.config/xfce4/panel/genmon-15.rc
/home/Alice/.java/
/home/Alice/.java/.userPrefs/
/home/Alice/.java/.userPrefs/burp/
/home/Alice/.java/.userPrefs/burp/prefs.xml
/home/Alice/.face.icon
/home/Alice/.profile
/home/Alice/.local/
/home/Alice/.local/share/
/home/Alice/.local/share/nautilus/
/home/Alice/.local/share/nautilus/scripts/
/home/Alice/.local/share/nautilus/scripts/Terminal
/home/Alice/.local/bin/
/home/Alice/.bashrc
/home/Alice/.bashrc.original
/home/Alice/.zshrc
/home/Alice/.bash_logout
/home/Alice/.zprofile
/home/Alice/.face

(kayla@jarvis)-[~]
└─$ nano backup.sh
```

Step 3

```
(kayla@jarvis)-[~]
└─$ crontab -e
no crontab for kayla - using an empty one
Select an editor. To change later, run select-editor again.
 1. /bin/nano          ← easiest
 2. /usr/bin/vim.basic
 3. /usr/bin/vim.tiny

Choose 1-3 [1]: 1
crontab: installing new crontab

(kayla@jarvis)-[~]
└─$ ls /var/backups/
alternatives.tar.0  apt.extended_states.1.gz  dpkg.arch.1.gz  dpkg.diversions.1.gz  dpkg.statoverride.1.gz  dpkg.status.1.gz
apt.extended_states.0  dpkg.arch.0  dpkg.diversions.0  dpkg.statoverride.0  dpkg.status.0  mthom062-.tar.gz
```

```
(kayla@jarvis)-[~]
└─$ cat /etc/crontab
# 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   command
* * * * * /home/kayla/backup.sh
```

```
# 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   command
#
# ***** /home/kayla/backup.sh
```

Step 4

```
# 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   command
#
```