

Task A

1.

```
Debian-snmp:x:112:115::/var/lib/snmp:/bin/false
sshd:x:113:117::/nonexistent:/usr/sbin/nologin
postgres:x:114:118:PostgreSQL administrator:/var/lib/postgresql:/bin/bash
avahi:x:115:119:Avahi mDNS daemon:/run/avahi-daemon:/usr/sbin/nologin
speech-dispatcher:x:116:29:Speech Dispatcher:/run/speech-dispatcher:/bin/false
_gvm:x:117:120::/var/lib/openvas:/usr/sbin/nologin
usbmux:x:118:46:usbmux daemon:/var/lib/usbmux:/usr/sbin/nologin
cups-pk-helper:x:119:121:user for cups-pk-helper service:/nonexistent:/usr/sbin/nologin
nm-openvpn:x:120:122:NetworkManager OpenVPN:/var/lib/openvpn/chroot:/usr/sbin/nologin
inetsim:x:121:123::/var/lib/inetsim:/usr/sbin/nologin
nm-openconnect:x:122:126:NetworkManager OpenConnect plugin:/var/lib/NetworkManager:/usr/sbin/nologin
geoclue:x:123:127::/var/lib/geoclue:/usr/sbin/nologin
lightdm:x:124:128:Light Display Manager:/var/lib/lightdm:/bin/false
statd:x:125:65534::/var/lib/nfs:/usr/sbin/nologin
saned:x:126:129::/var/lib/saned:/usr/sbin/nologin
polkitd:x:987:987:User for polkitd:/usr/sbin/nologin
rtkit:x:127:130:RealtimeKit:/proc:/usr/sbin/nologin
colord:x:128:131:colord colour management daemon:/var/lib/colord:/usr/sbin/nologin
william-gardin:x:1000:1000:William Gardin,,,:/home/william-gardin:/bin/bash
john:x:1001:1002::/home/john:/bin/sh
mary:x:1002:1003::/home/mary:/bin/sh
nate:x:1004:1005::/home/nate:/bin/sh
charlie:x:1005:1006::/home/charlie:/bin/sh
testuser:x:1006:1007::/home/testuser:/bin/sh
user_1:x:1008:1008::,/home/user_1:/bin/bash
user_2:x:1009:1009::,/home/user_2:/bin/bash
user_3:x:1010:1010::,/home/user_3:/bin/bash
user_4:x:1011:1011::,/home/user_4:/bin/bash
user_5:x:1012:1012::,/home/user_5:/bin/bash
user_6:x:1013:1013::,/home/user_6:/bin/bash
Sophia:x:1014:1017::/home/Sophia:/bin/bash
Olivia:x:1015:1018::/home/Olivia:/bin/bash
Emma:x:1016:1019::/home/Emma:/bin/bash
alice:x:1021:1021::,/home/alice:/bin/bash

(william-gardin@Kali)-[~]
$
```

I forgot to screenshot the process of me creating the Alice user so I used the command `getent passwd` to show that the user Alice was created.

2.

```
(william-gardin@Kali)-[~]
$ sudo nano backup_alice.sh
[sudo] password for william-gardin:
```

```
william-gardin@Kali: ~  
File Actions Edit View Help  
GNU nano 8.4 backup_alice.sh  
#!/bin/bash  
  
#Set MIDAS name and Date  
midas="Wgard005" #Replace with your MIDAS or name  
current_date=$(date "+%Y. %m. %d- %H. %M. %S") # Format the current date  
  
#Create a filename variable with MIDAS/Date  
filename="${midas}-${current_date}.tar"  
  
#Say Status  
echo "Creating backup for /home/alice ..."  
  
# Create tar archive of alice home directory  
sudo tar -cvf "/var/backups/${filename}" /home/alice\  
  
#Say Status  
echo "Compressing the tar file with gzip..."  
  
#Compress tar file with gzip  
sudo gzip "/var/backups/${filename}"
```

3.

```
(william-gardin@Kali)-[~]  
$ sudo crontab -e  
crontab: installing new crontab  
  
(william-gardin@Kali)-[~]  
$ sudo crontab -l  
  
*/3 * * * * /home/william-gardin/backup_alice.sh  
  
(william-gardin@Kali)-[~]  
$
```

```
(william-gardin@Kali)-[~]  
$ ls -lh /var/backups/  
total 3.1M  
-rw-r--r-- 1 root root 170K Sep 23 11:13 alternatives.tar.0  
-rw-r--r-- 1 root root 162K Sep 18 12:51 apt.extended_states.0  
-rw-r--r-- 1 root root 0 Sep 23 11:13 dpkg.arch.0  
-rw-r--r-- 1 root root 8.3K Sep 18 12:52 dpkg.diversions.0  
-rw-r--r-- 1 root root 683 Sep 18 12:49 dpkg.statoverride.0  
-rw-r--r-- 1 root root 2.7M Sep 18 12:51 dpkg.status.0  
-rw-r--r-- 1 root root 12K Nov 12 21:03 'Wgard005-2025. 11. 12- 21. 03. 35.tar.gz'  
  
(william-gardin@Kali)-[~]  
$
```

4.

