

1. Make a backup of every file your home directory in /tmp using the tar command.

```
cd tmp
```

```
tar -cf newtar.tar *
```

Use a backup filename with a unique name, list the details of this file with 'ls -l'

2. Compress the file using gzip

```
zip newtar.tar.zip newtar.tar
```

3. How much space is saved by compressing the backup?

1.1M - 996K = 104K (approximately)

Submit a PDF with the answer to step 3 and a screenshot of the listings for credit on this assignment.

```
psadmin@psadmin-VirtualBox:/tmp$ zip newtar.tar.zip newtar.tar
adding: newtar.tar (deflated 4%)
psadmin@psadmin-VirtualBox:/tmp$ ls
config-err-j3UEQp      systemd-private-8224a06e59b440609d6ac204da3470c0-bolt.service-1ybQM5
newtar.tar             systemd-private-8224a06e59b440609d6ac204da3470c0-colord.service-sRJxrd
newtar.tar.zip         systemd-private-8224a06e59b440609d6ac204da3470c0-fwupd.service-0k8rQz
snap.gnome-calculator systemd-private-8224a06e59b440609d6ac204da3470c0-ModemManager.service-MJ161r
snap.gnome-characters systemd-private-8224a06e59b440609d6ac204da3470c0-rtkit-daemon.service-RGTFwX
snap.gnome-logs        systemd-private-8224a06e59b440609d6ac204da3470c0-systemd-resolved.service-BRGwQW
snap.gnome-system-monitor testtmp.tar
ssh-Fvp7KlkhzH9S      tmpaddon
psadmin@psadmin-VirtualBox:/tmp$ ls -lh
total 3.1M
-rw-r--r-- 1 psadmin psadmin 0 Nov 7 11:16 config-err-j3UEQp
-rw-r--r-- 1 root root 1.1M Nov 14 13:35 newtar.tar
-rw-rw-r-- 1 psadmin psadmin 996K Nov 14 13:38 newtar.tar.zip
drwx----- 3 root root 4.0K Nov 7 13:29 snap.gnome-calculator
drwx----- 3 root root 4.0K Nov 7 13:29 snap.gnome-characters
drwx----- 3 root root 4.0K Nov 7 13:29 snap.gnome-logs
drwx----- 3 root root 4.0K Nov 7 13:29 snap.gnome-system-monitor
drwx----- 2 psadmin psadmin 4.0K Nov 7 11:16 ssh-Fvp7KlkhzH9S
drwx----- 3 root root 4.0K Nov 7 11:16 systemd-private-8224a06e59b440609d6ac204da3470c0-bolt.service-1ybQM5
drwx----- 3 root root 4.0K Nov 7 11:16 systemd-private-8224a06e59b440609d6ac204da3470c0-colord.service-sRJxrd
drwx----- 3 root root 4.0K Nov 14 11:38 systemd-private-8224a06e59b440609d6ac204da3470c0-fwupd.service-0k8rQz
drwx----- 3 root root 4.0K Nov 7 11:16 systemd-private-8224a06e59b440609d6ac204da3470c0-ModemManager.service-MJ161r
drwx----- 3 root root 4.0K Nov 7 11:16 systemd-private-8224a06e59b440609d6ac204da3470c0-rtkit-daemon.service-RGTFwX
drwx----- 3 root root 4.0K Nov 7 13:21 systemd-private-8224a06e59b440609d6ac204da3470c0-systemd-resolved.service-BRGwQW
-rw-rw-r-- 1 psadmin psadmin 510K Nov 14 13:35 testtmp.tar
-rw-r--r-- 1 psadmin psadmin 500K Nov 7 11:17 tmpaddon
```

