A Simple Backup Utility (Lab)

coursera.org/learn/linux-tools-for-developers/supplement/cRsHp/a-simple-backup-utility-lab

Exercise

Construct a shell script that works as a basic backup utility. It should be invoked as:

```
$ Backup Source Target
```

For each directory under **Source**, a directory should be created under **Target**.

Each directory in **Target** should get a file named **BACKUP.tar.gz** which contains the compressed contents of the directory.

You should not need permission to write in the **Source** directory area, but obviously you will need permission to write in **Target**.

A good way to test it might be to use **/var** as the source.

Note:

- Functions can be called recursively, but you do not have to do so.
- Some of the utilities and commands you might need are: **tar**, **gzip**, **find**, **pushd**, **popd**, **cp**, **echo**, **mkdir**...

Challenge: Try making it an incremental backup; only do those directories which have changed since the last backup. This can be made very complicated, but just consider cases where there are files newer than when the backup was made.

Solution

You can see a solution for this exercise here:

lab_backup_nor.sh
lab_backup_r.sh