

Sep. 22, 2014

Course        60-256  
Instructor    Dr. B. Boufama  
Assignment    02  
Due date      Thursday Oct. 2, 11pm

Write a Bash script to compress a list of files with some given extensions. The compression could be done with any Unix compress utilities, such as *gzip*, *bzip2*, etc.

Synopsis:

```
backup [-d] target-directory suffix-list...
```

When the `-d` option is provided, all the compressed files will be saved into a target directory. However, if the given directory name is not valid or is an existing regular file, then an error message will be given and no compression should be performed.

Some sample runs:

Case 1: Compress files only

```
% backup pdf jpg  
compressed 2 pdf file(s)  
compressed 1 jpg file(s)
```

Case 2: Compress files but given directory not valid

```
% backup -d test pdf doc  
compressed 2 pdf file(s)  
compressed 3 doc file(s)  
Error: test is not a valid directory name.
```

Case 3: Compress and save

```
% backup -d Jan30-2006 pdf ppt  
compressed 2 pdf file(s)  
compressed 1 ppt file(s)  
Saved in Jan30-2006
```

**Notes:**

1. The assignment should be e-mailed to smith15o@uwindsor.ca
2. Consulting by the TAs is provided in the Java Lab, check their schedule on <http://boufama.myweb.cs.uwindsor.ca/256/>
3. Solutions and marks for the assignments will be posted on the course website.