CSC 368 Systems Programming Languages

Homework 2- Batch files

Spring 2017

For this assignment you will be investigating batch specific commands and the executable program “convert.exe” provided by ImageMagick, documentation is located at <https://www.imagemagick.org/script/convert.php>.

1. Write a batch command that will loop through all the files ending in “.txt” in the current directory performing the following actions:
2. display the contents of the file to standard output

for %%f in (\*.txt) do type %%f

1. copy the file to a sub-directory called “bob”

for %%f in (\*.txt) do xcopy %%f %cd%\bob\

1. Write a batch command that executes the first argument to the batch file (assume the first argument is a program or command that can be executed) and if that command fails, executes the second argument.

if exist %cd%\\*.txt (for %%f in (\*.txt) do move %%f %cd%\q2textfiles\) else echo no txt files exist

1. Write the ImageMagick command to convert a jpeg file to a width of 640 pixels, keeping the same aspect ratio. The file should be renamed to “sm\_” followed by the original file name.

convert %1.jpg -resize 640 sm\_%1.jpg

1. Write an ImageMagick command to resize a png file to ½ its original size.

convert q4test.png -resize 50% q4test.png