

Template – ImageMagick_convert.sh

```
#!/bin/sh
#ImageMagick (v6.5.2)
#image
#bmp, dib, eps, fig, gif, ico, jpg, jpeg
#bmp, dib, eps, gif, jpg, jpeg, jp2, pcd, pdf, pgm

# NOTE: First four lines of comments above MUST follow pattern:
#Full software name (Version)
#Data types dealt with
#Comma separated list of inputs accepted
#Comma separated list of outputs accepted

output_filename=$(basename "$2")
output_format="${output_filename##*.}"

#Output PGM files as ASCII
if [ "$output_format" = "pgm" ]; then
    convert "$1" -compress none "$2"
else
    convert "$1" "$2"
fi
```

Exercise (/home/ubuntu/git/bd-tutorial-problems/07-AddingConverters/)

1. Write a wrapper script

```
nano sciencify_convert.sh
```

2. Modify the SoftwareServer configuration (i.e. copy the script and edit aliases)

```
cp sciencify_convert.sh /home/ubuntu/git/polyglot/scripts/sh
```

```
nano /home/ubuntu/git/polyglot/scripts/sh/.aliases.txt
```

3. Start the SoftwareServer (you can do this part in the bd-tmux pane)

```
cd /home/ubuntu/git/polyglot/
```

```
bin/SoftwareServerRestlet.sh
```

4. Test it with the BD CLI

```
cd /home/ubuntu/git/bdcli
```

```
bd -o science.txt examples/sonnet80.txt
```