Scripts Used to Create This Course

```bash
#!/bin/bash

# This script extracts the audio from
# the mp4 file and converts it to mono.

INPUT_FILE=$1
BASE_DIR=$(dirname $INPUT_FILE)
BASE_NAME=$(basename -s .mp4 $INPUT_FILE)
TMP_FILE=$(mktemp --suffix=.wav)
OUT_FILE="$BASE_DIR/$BASE_NAME.wav"
```

```bash
# Extract the audio
avconv -y -i $INPUT_FILE $TMP_FILE

# Take audio from one channel to create
# a mono wav file.
sox $TMP_FILE -c 1 $OUT_FILE

# Display the name of the file on the #
screen.
echo
echo $OUT_FILE
```

```bash
#!/bin/bash
#
# This script converts a PDF into a
# series of PNG images.  The images will
# be created in the directory from which
# the script is executed.
# Usage: $0 [FILE.PDF|/path/to/FILE.PDF]

# Pass in a PDF file.
PDF=$1
```

```
# Replace ".pdf" with "-slides.png"
SLIDES=${PDF/.pdf/-slides.png}

# Replace spaces with hyphens
SLIDES=${SLIDES// /-}

# Convert to lowercase
SLIDES=${SLIDES,,}
```

```
# Extract the basename from the path.
SLIDES=$(basename $SLIDES)

# Convert the PDF into a series of images.
convert -density 300 "$PDF" -quality 100
$SLIDES
```

Summary

- Use shell scripts to automate repetitive work.
- Shell scripts can be shortcuts -- you don't have to remember everything.
- Happy scripting!

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