

# Introduction to Photo Editing with Photoshop CC

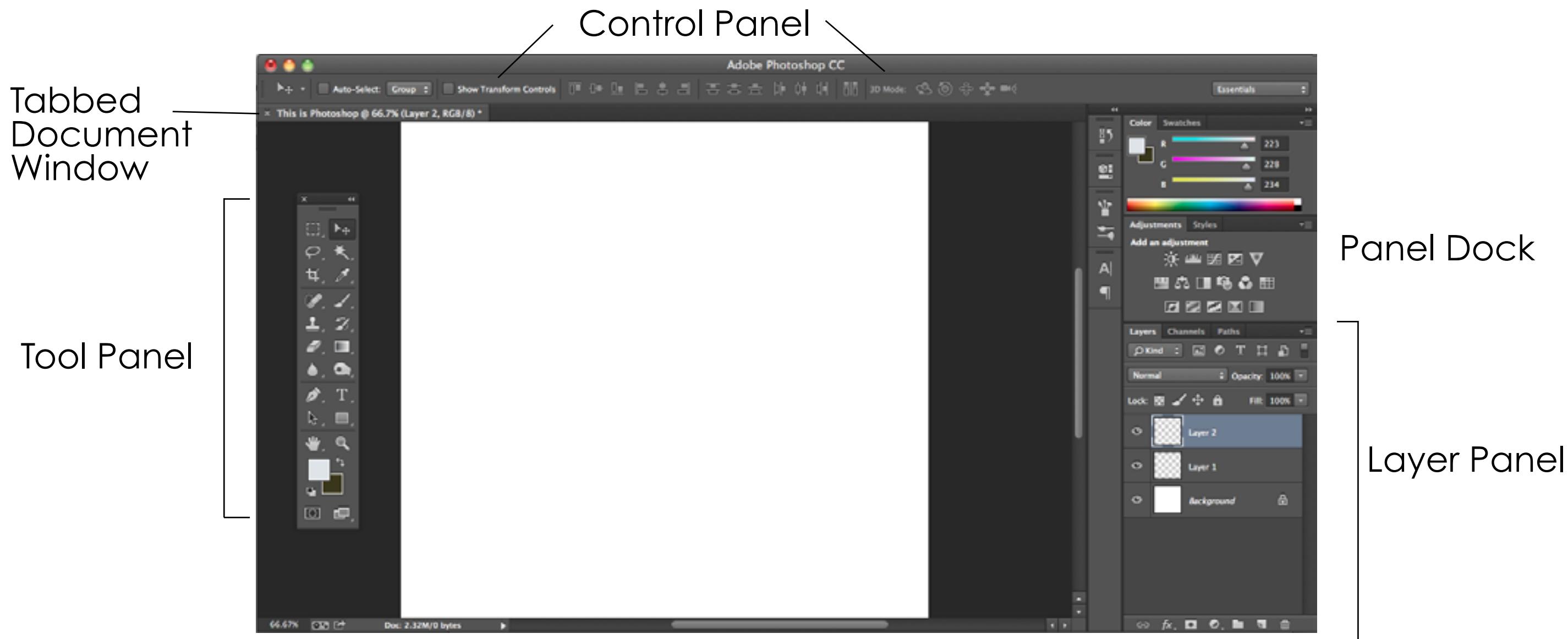
# Who am I?

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Bachelor of Design from OCAD University  
BREAK AND ENTER | advertising + design

# Photoshop was used here, here.. and even here.



# Introducing Photoshop



Tabbed Document Window

Tool Panel

Control Panel

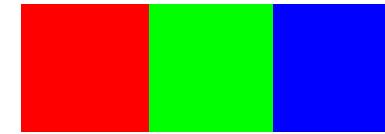
Panel Dock

Layer Panel

## Colour Modes

Colour mode for web is: RGB

RGB = Red Green Blue



Colour mode for print is: CMYK

CMYK = Cyan Magenta Yellow Black



## Image Resolution

The resolution of an image is measured by the number of pixels per inch (ppi)

Ideal resolution for web: 72 ppi (low res)

Ideal resolution for print: 300 ppi (high res)

# Image Resolution

## PRINTED RESULTS



72 ppi



300 ppi

## Recap

72 ppi = low res = for web use

300 ppi = high res = for print use

# Exercise 1

## Introducing colour correction, retouching, saving for different outputs

## Exercise 1



Before



After (colour)



After (B&W)

## Exercise 1

1. Go to File > Open > Learner Files > Exercise 1.jpg

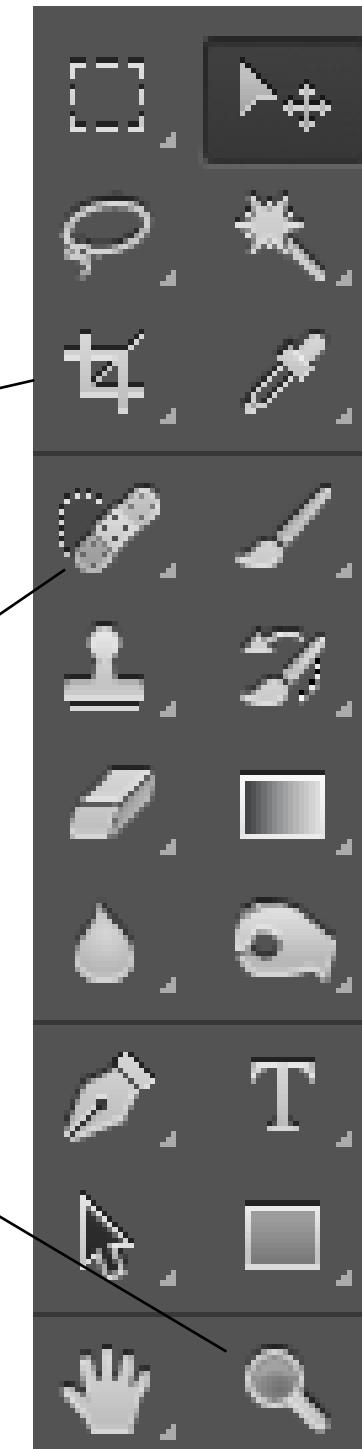
The “Before” image should open up

What's wrong with this image?

## Tools for this exercise

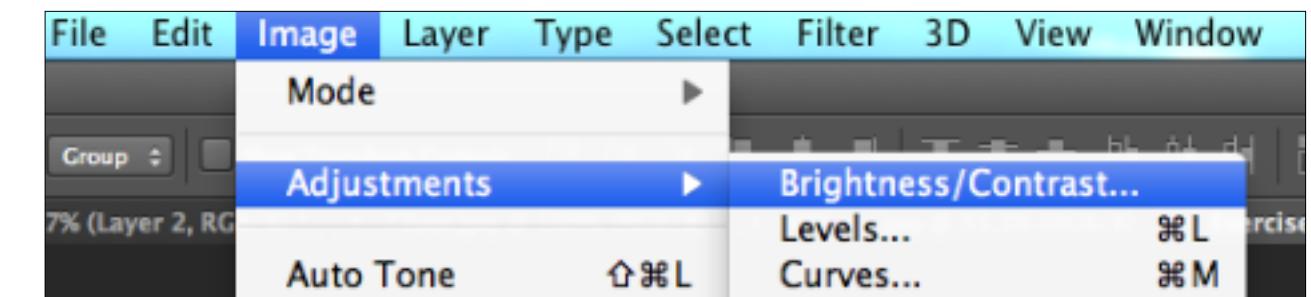
Crop Tool  
Spot Healing Brush Tool

Zoom Tool  
Hand Tool



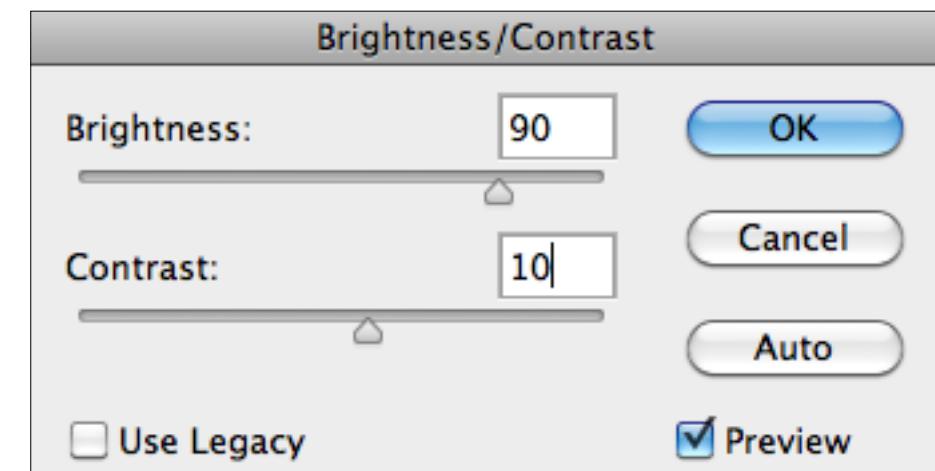
## Adjust Brightness/Contrast

1. Go to Image > Adjustments > Brightness & Contrast



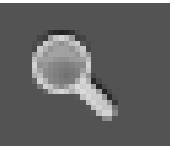
2. Set Brightness to 90 and Contrast to 10

3. Click OK when done

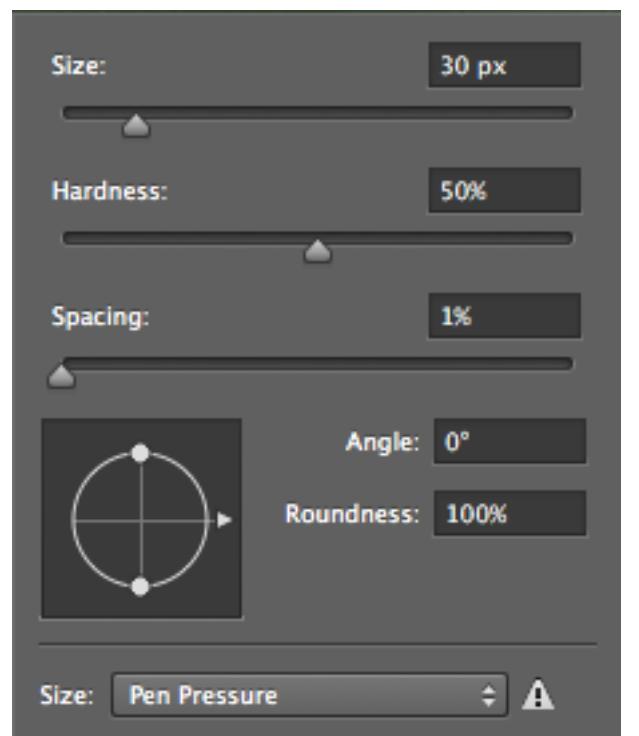
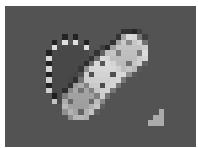


## Clean up dark spots

1. Select Zoom Tool and click on one of the dark spots in the background to zoom in



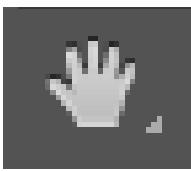
2. Select Spot Healing Brush Tool, then right-click on the photo to see options for this tool. Set Size to 30 pixels and Hardness to 0%



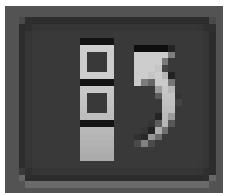
3. Paint over the dark spots on the photo to remove them

## Clean up dark spots

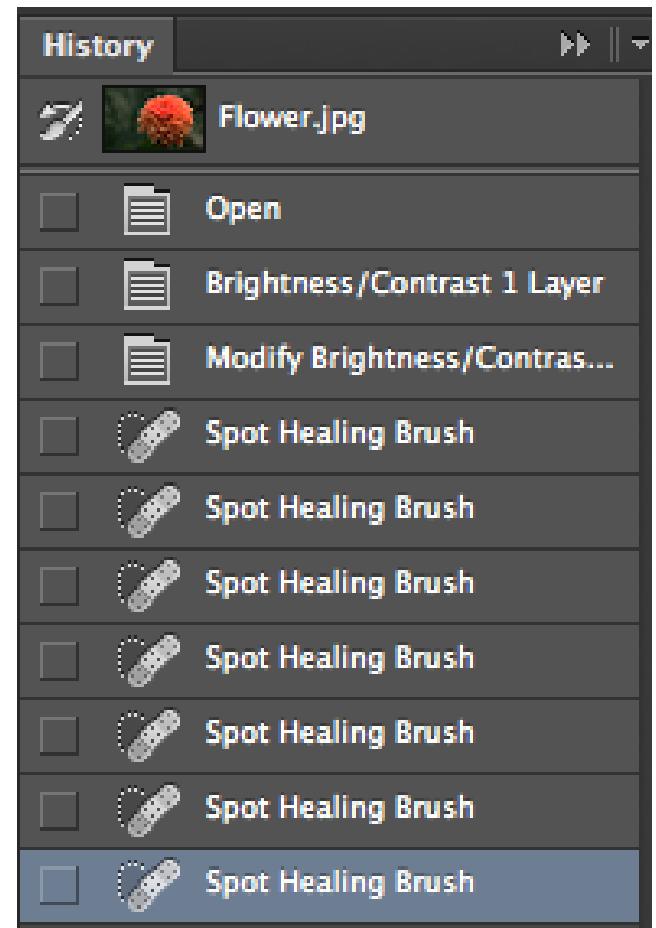
4. Use the Hand Tool to move around the photo while zoomed in



5. Use History Panel to go back if you make a mistake



**Tip:** Use the Zoom Tool to zoom out by holding down the alt/option key while clicking. This will turn the + symbol on the tool icon into the - symbol



## Crop image

1. Select Crop Tool



2. In the control panel at the top, set the width to 6", height to 4" and resolution to 300 pixels per inch

3. Move photo to a better position within the cropped area.  
Press Enter to crop the image

## Save for Web

1. Go to File > Save for Web

File format: JPG

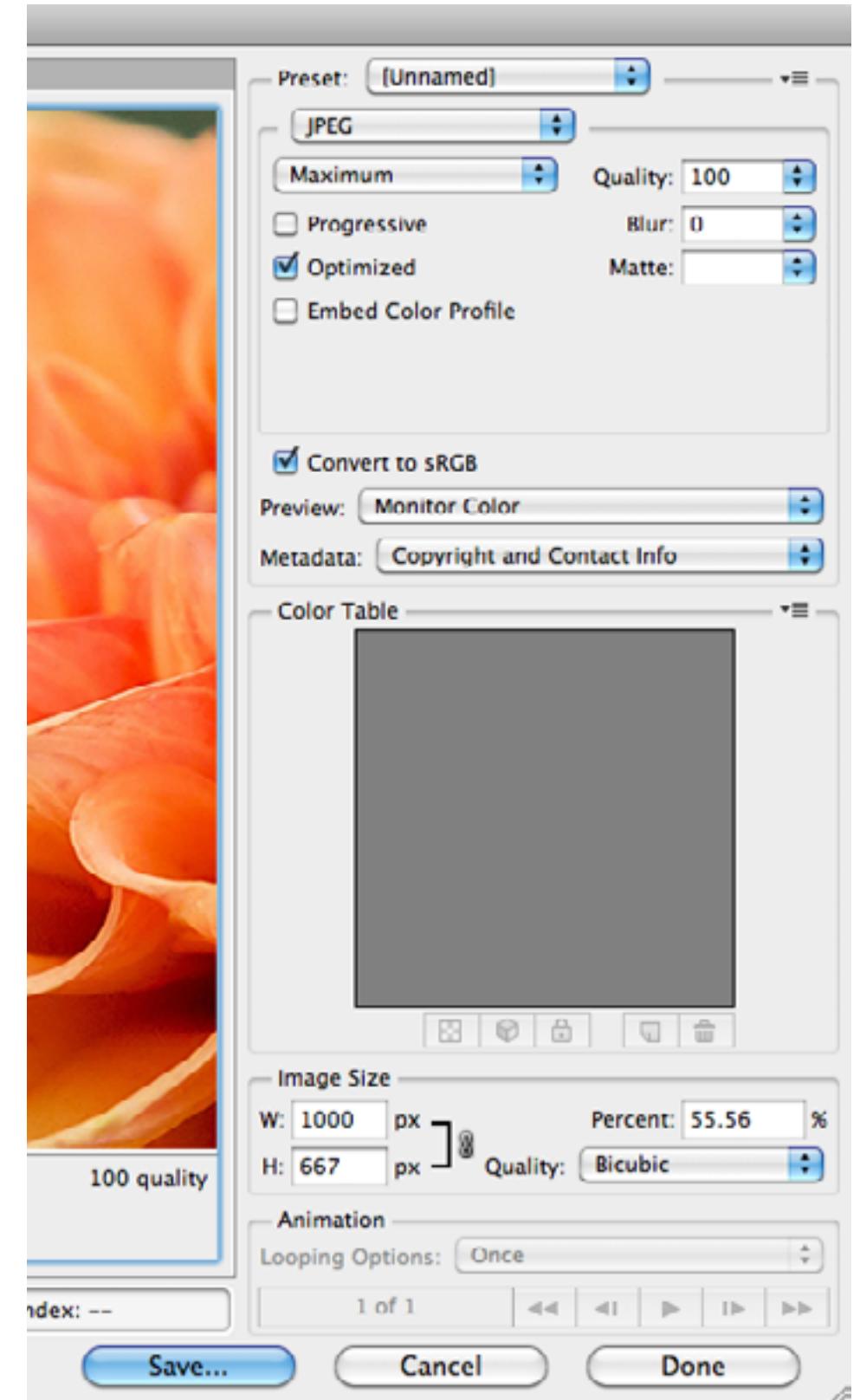
Compression Quality: Maximum

Quality: 100

Width: 1000 pixels

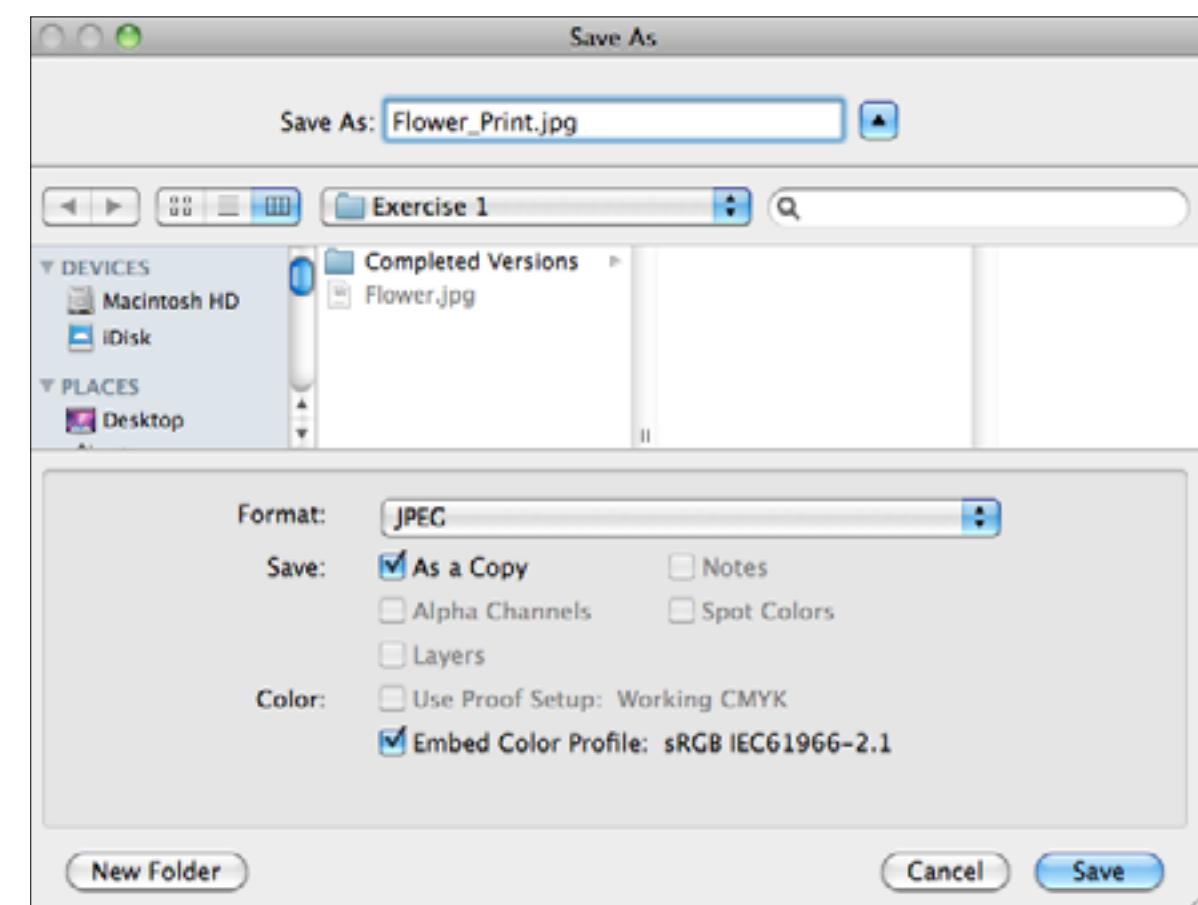
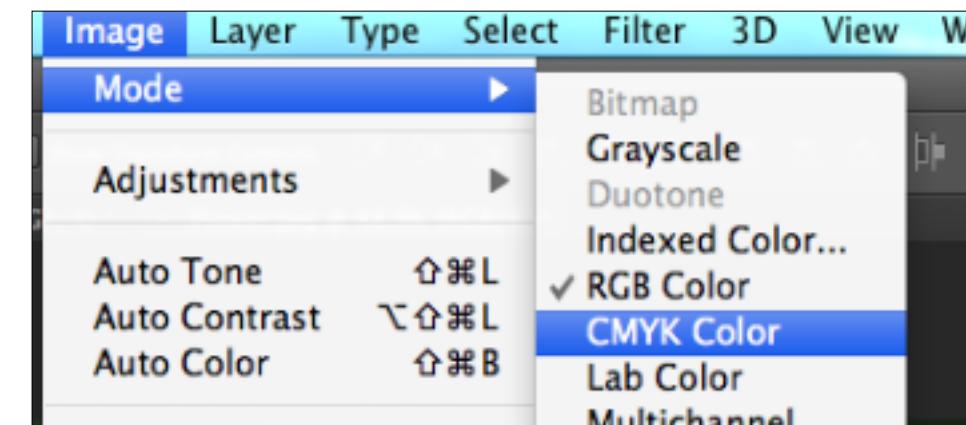
2. Press Save

3. Name your file: Flower\_Web.jpg and press  
Save again



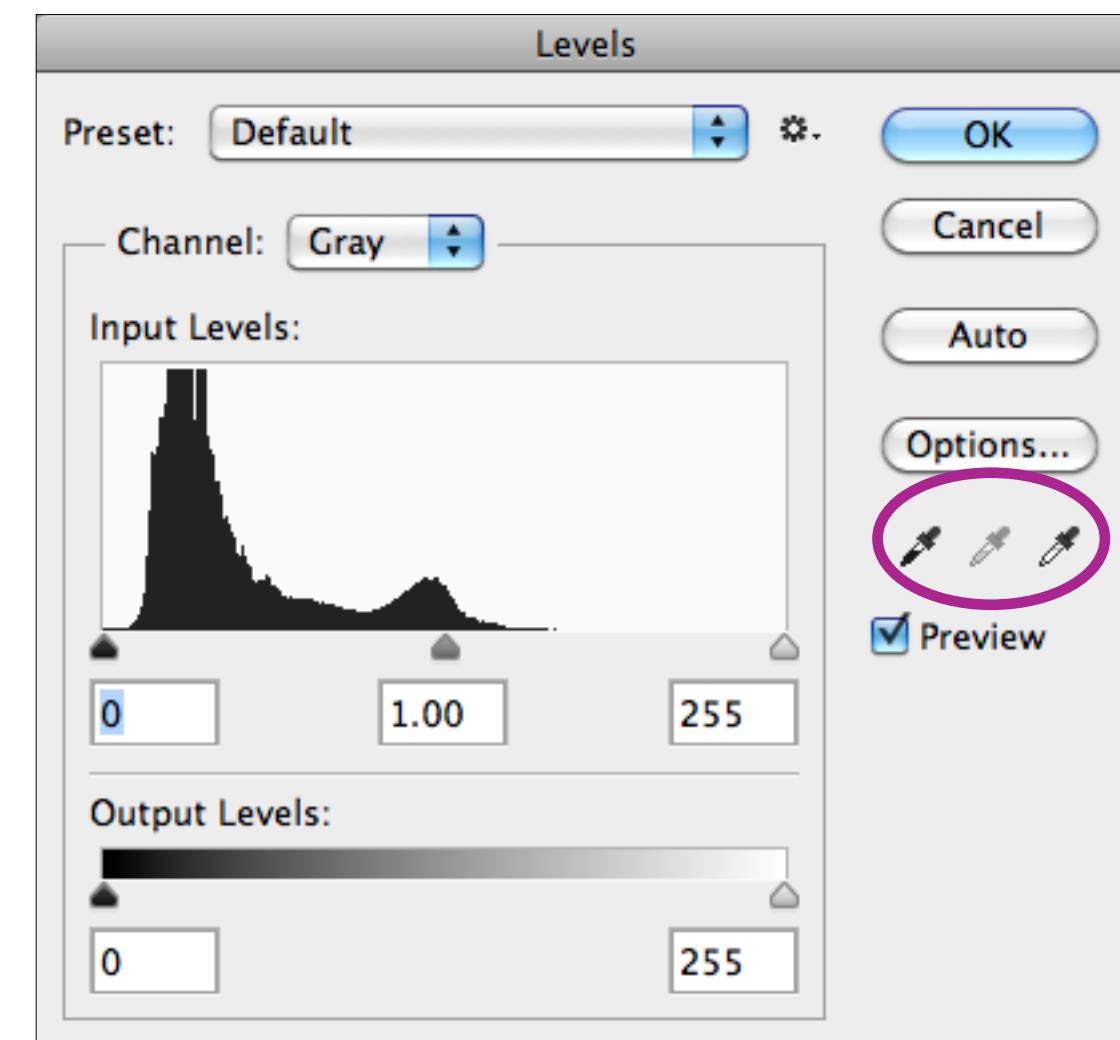
## Save for print

1. Go to Image > Mode > CMYK
2. Go to File > Save As
3. Put a check mark next to “As a copy”
4. Name your file: Flower\_Print.jpg and press Save
5. Set image quality to maximum and press OK



## Creating black and white version

1. Go to Image > Mode > Greyscale
2. Go to Image > Adjustments > Levels
3. Use eye dropper tools to sample the black and white points of the photo to correct it automatically
4. Click OK when done



## Save for print

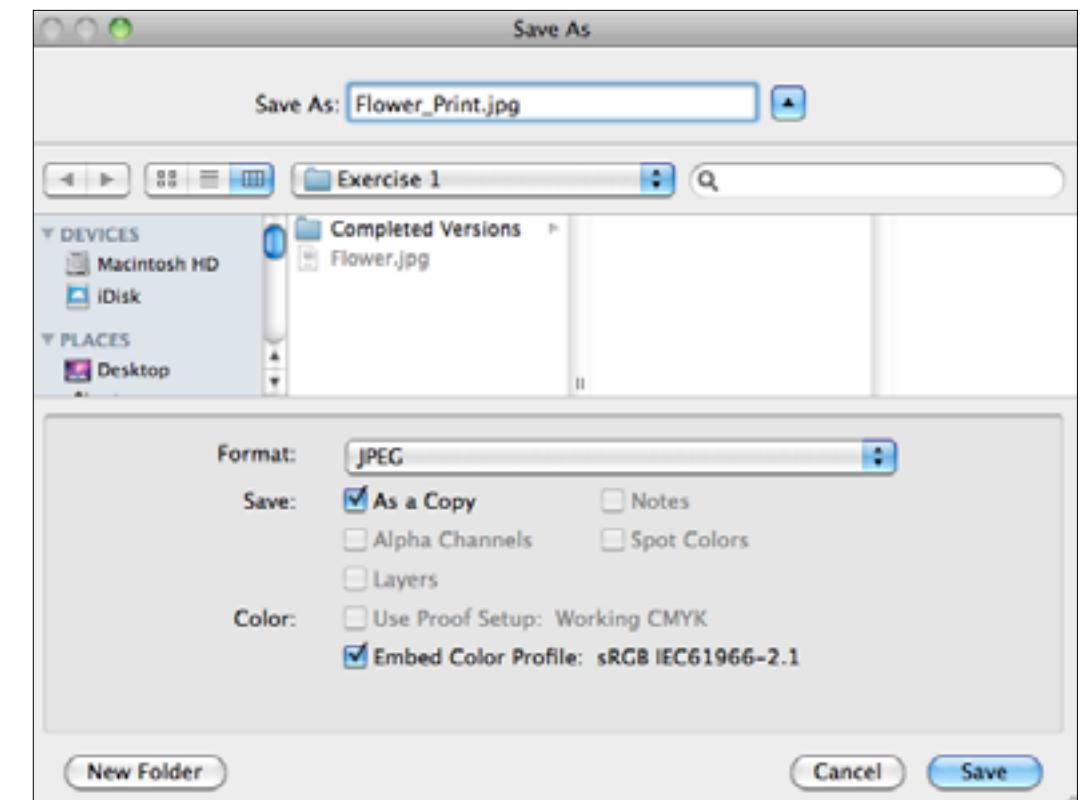
1. Go to File > Save As

2. Put a check mark next to “As a copy”

3. Name your file: Flower\_BW\_Print.jpg

4. Press Save

5. Set image quality to maximum and press OK



## Save for web

1. Go to File > Save for Web

File format: JPG

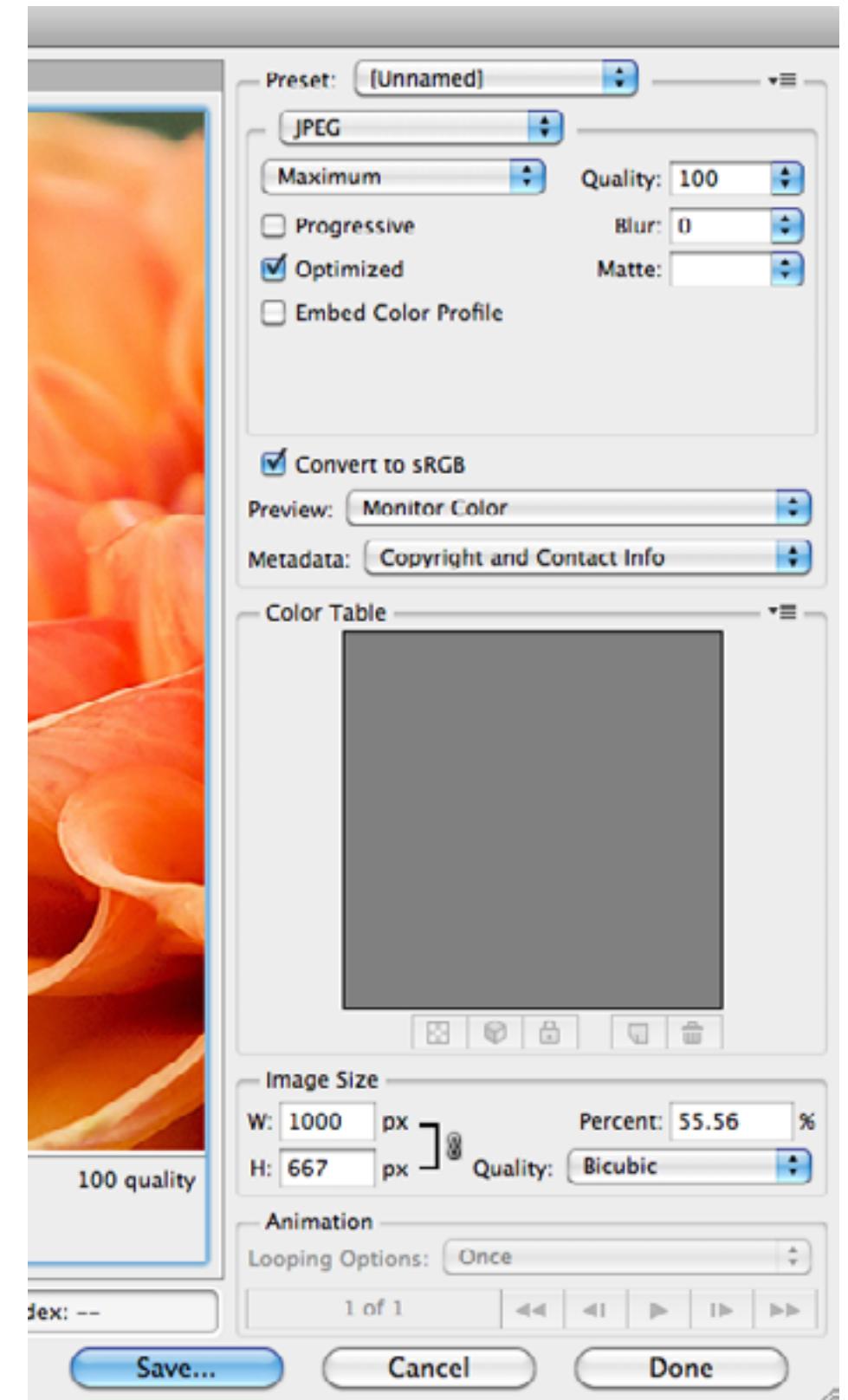
Compression Quality: Maximum

Quality: 100

Width: 1000 pixels

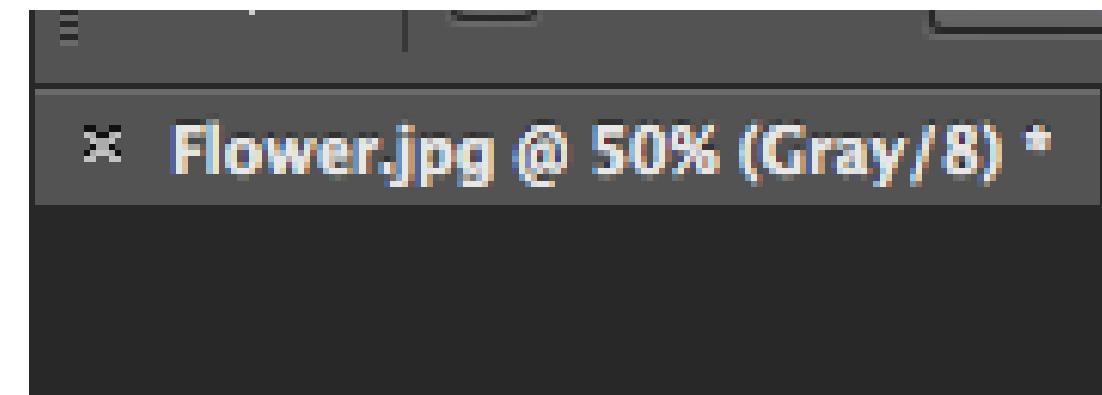
2. Press Save

3. Name your file: Flower\_BW\_Web.jpg and press Save again



# We're done!

Close your file by clicking the “x” in the tabbed document window



## Exercise 2

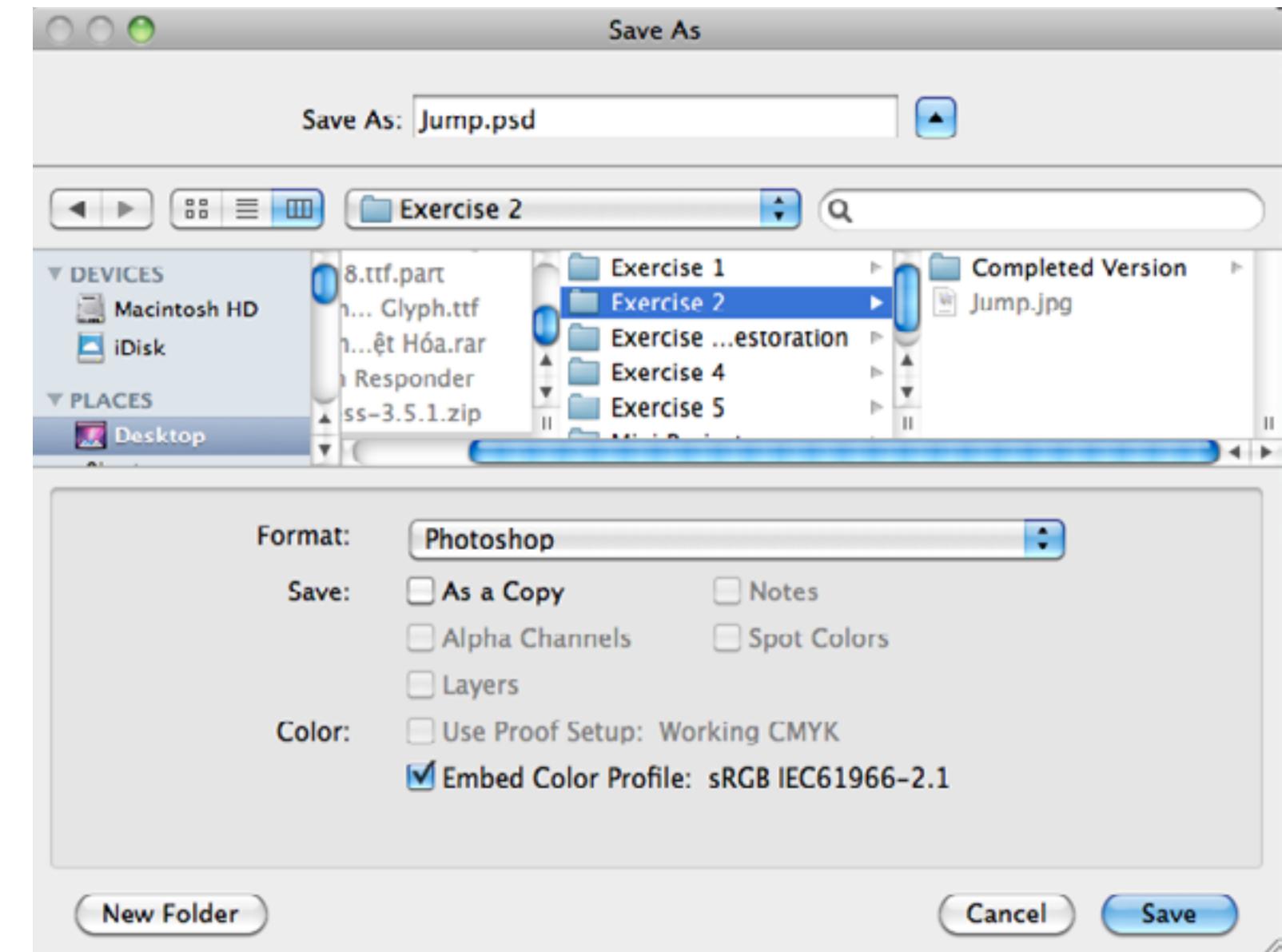
### Colour correction, retouching, adjustment layers and masking.

## Exercise 2

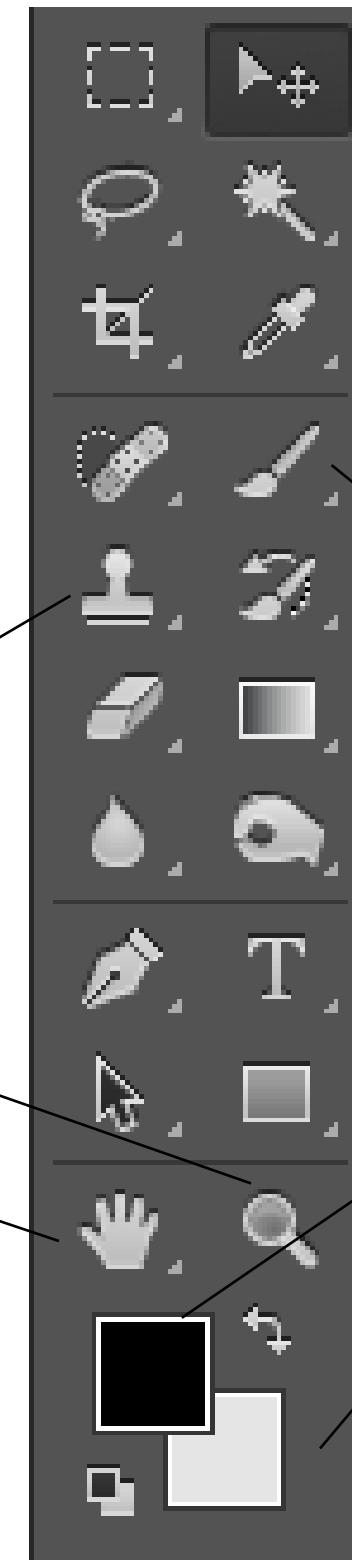


## Exercise 2

1. Open Exercise 2.jpg
2. Go to File > Save As
3. Select Photoshop as the Format
4. Name your file: Jump.psd



## Tools for this exercise



Clone Stamp Tool

Zoom Tool

Hand Tool

Brush Tool

Foreground colour  
Background colour

## Retouching: Remove Shadows

1. Select Clone Stamp Tool

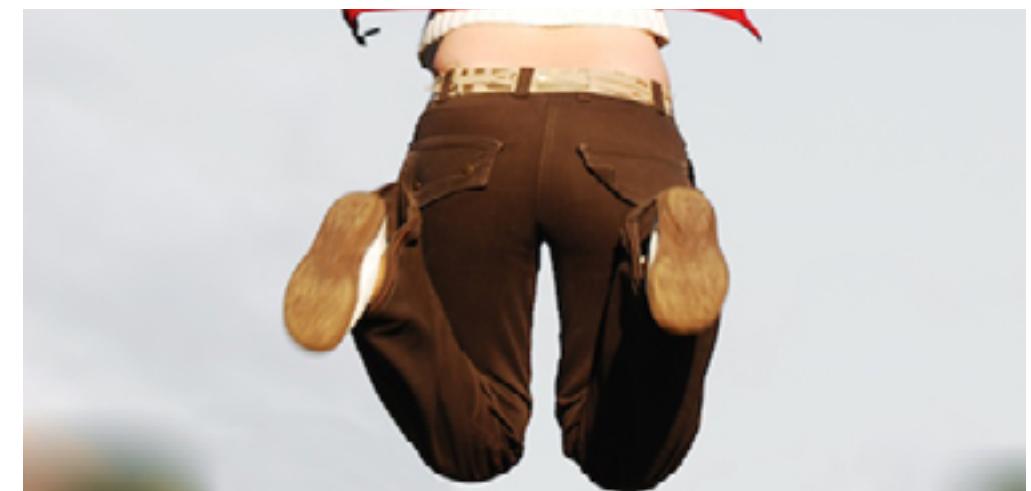
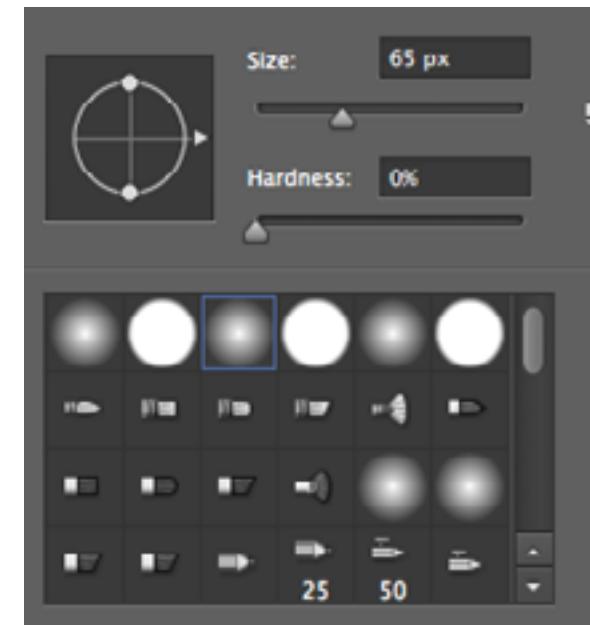


2. Right-click to reveal options

Set size to 65 pixels and hardness to 0%

3. Hold down the alt/option key and click on a clean spot well above the left shadow to sample that area

4. Paint over the shadow area to remove it

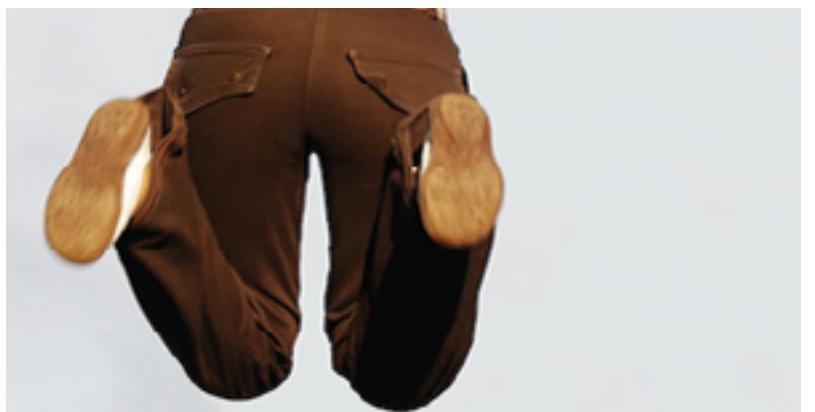


## Retouching: Remove Shadows

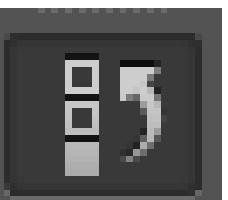
5. Hold down the alt/option key and click on a clean spot well above the *right* shadow to sample that area



6. Paint over the shadow area to remove it



Remember: Use the History Panel to go back if you make a mistake



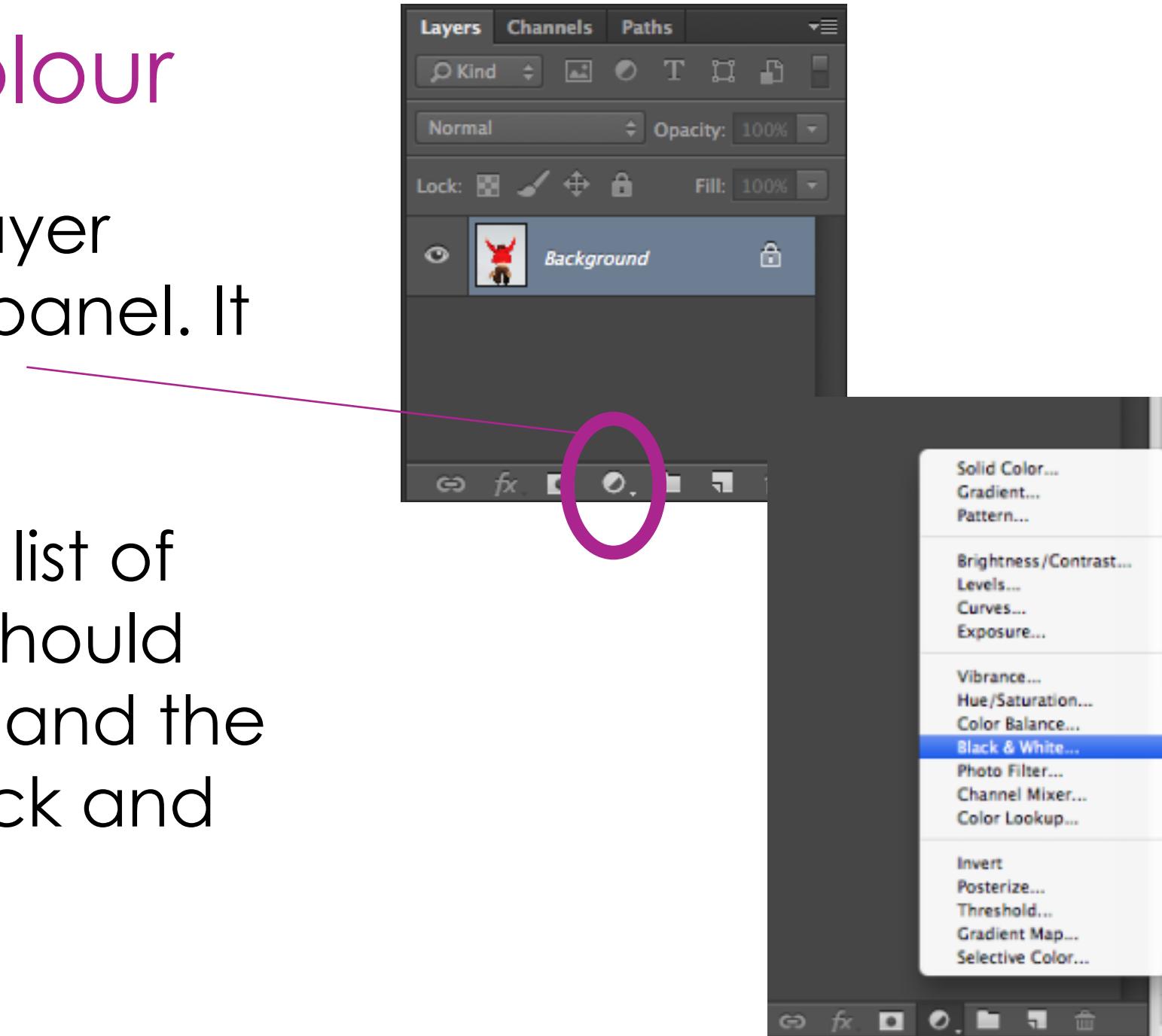
## Retouching: Fly away hairs

1. Click on the Zoom Tool and click on her head until you zoom in 400%. Use the Hand Tool if you need to move around
2. Click on the Clone Stamp Tool. Right-click to reveal its options. Set size to 10 pixels. Set hardness to 70%
3. Hold down the alt/option key and click on a clean spot above her head, then paint over the fly away hairs



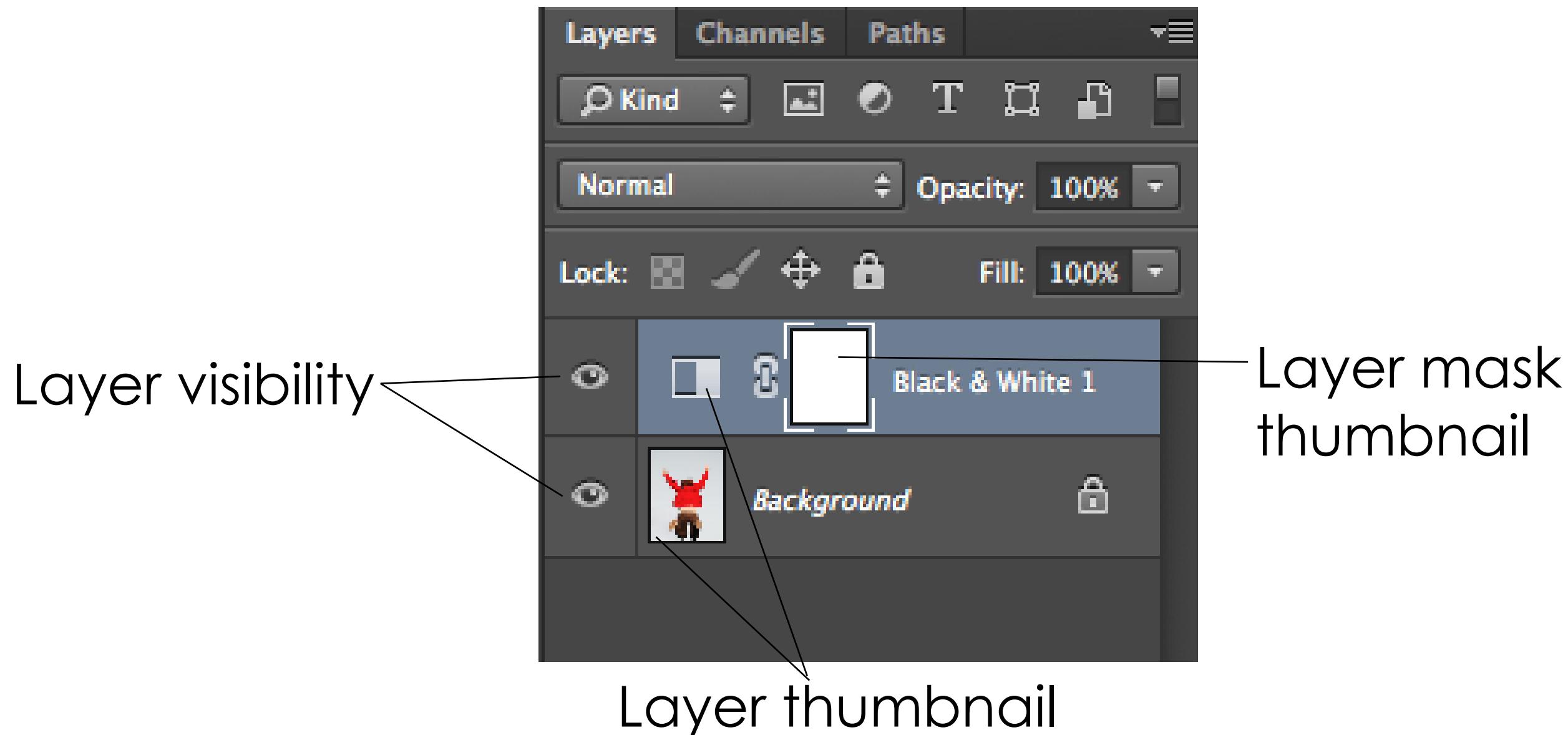
## B&W with a splash of colour

1. Click on the Fill/Adjustment Layer icon at the bottom of the layer panel. It should open up a menu



2. Select Black & White from the list of adjustment layers. A new layer should now appear in your layer panel and the image should appear to be black and white

## B&W with a splash of colour

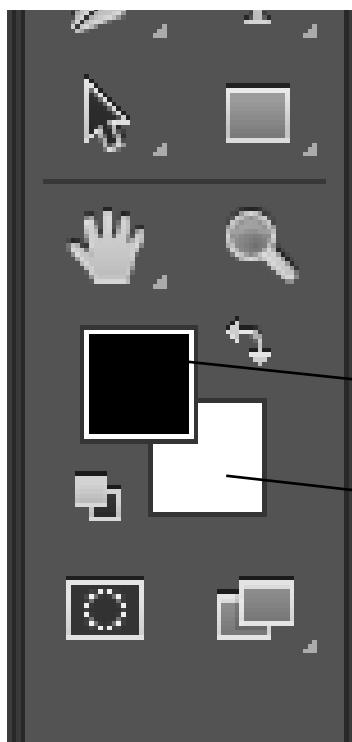


## B&W with a splash of colour

3. Select the Brush Tool



4. Set black as the foreground colour in the tool bar

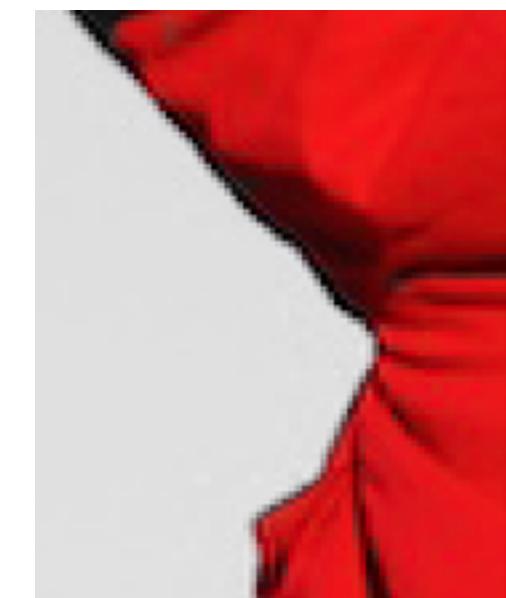


Foreground colour  
Background colour

**Tip:** Use the little arrow between the foreground and background colours to toggle them

## B&W with a splash of colour

5. Paint over the jacket to reveal the red colour beneath. Paint over the middle of the jacket first
6. Zoom in and use a smaller brush to paint the edges
7. Right-click to adjust the size and hardness of the brush as needed



## B&W with a splash of colour

8. If you make a mistake, don't use the history panel...

i. Toggle the foreground/background colours in the Tool Panel so that white is now the foreground colour



ii. Use the white brush to make coloured areas black and white again



Fix mistakes  
with white  
paint brush

## Save for web

1. Go to File > Save for Web

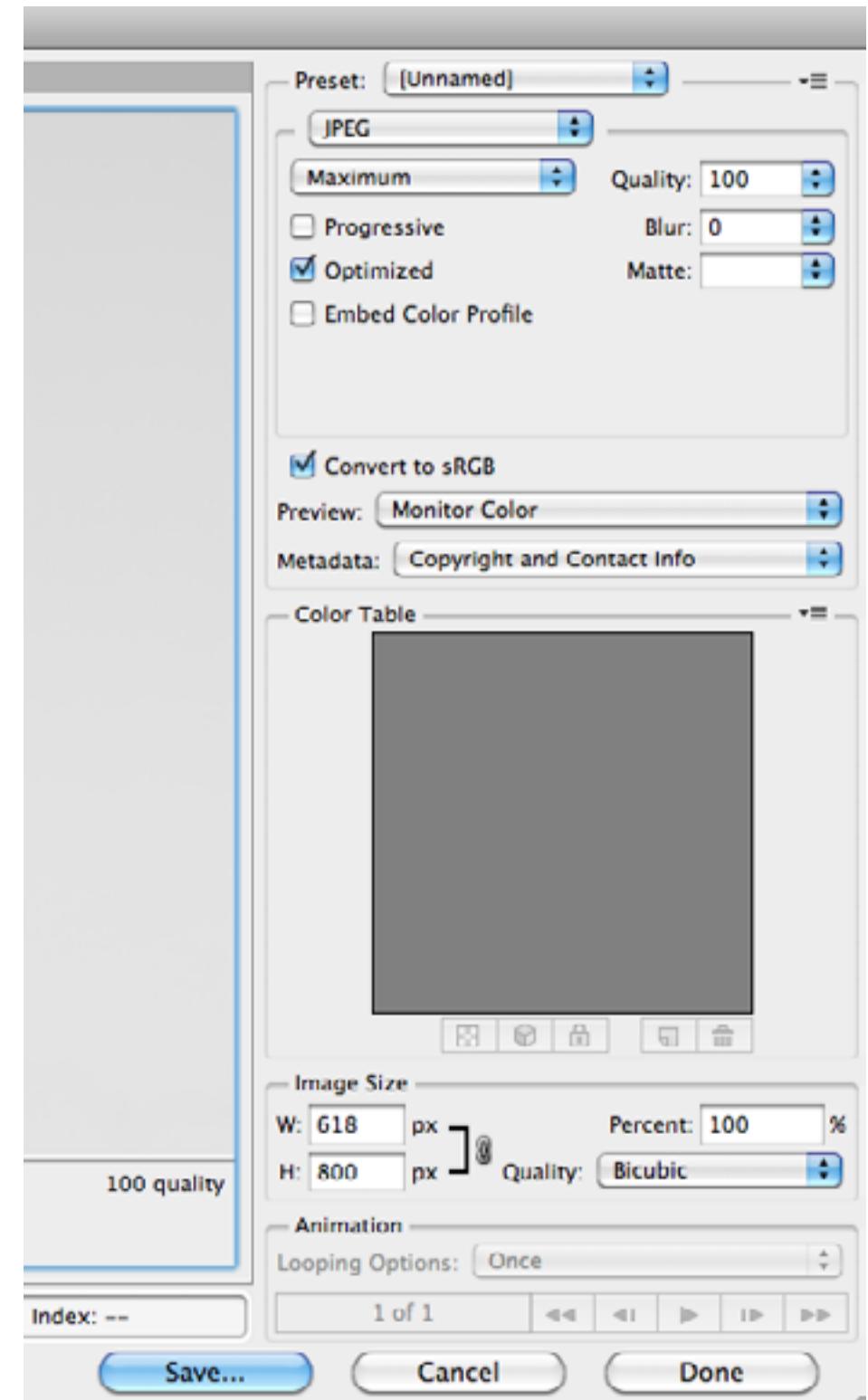
Previous settings should appear:

jpg /maximum / 100

\* Do not change image size \*

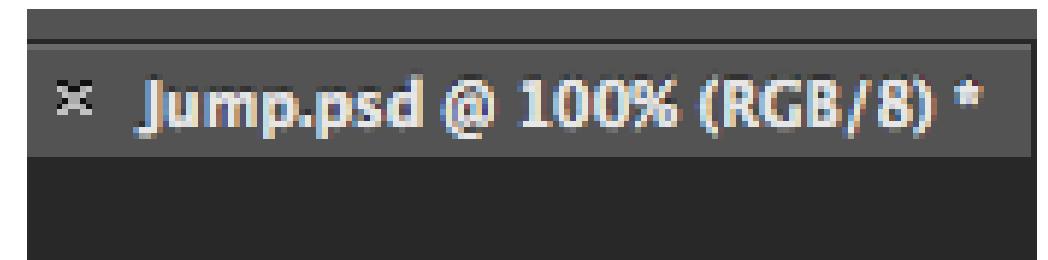
2. Press Save

3. Name your file: Jump\_web.jpg and press  
Save again



We're done!

Close your file by clicking the “x” in the tabbed document window



## Exercise 3

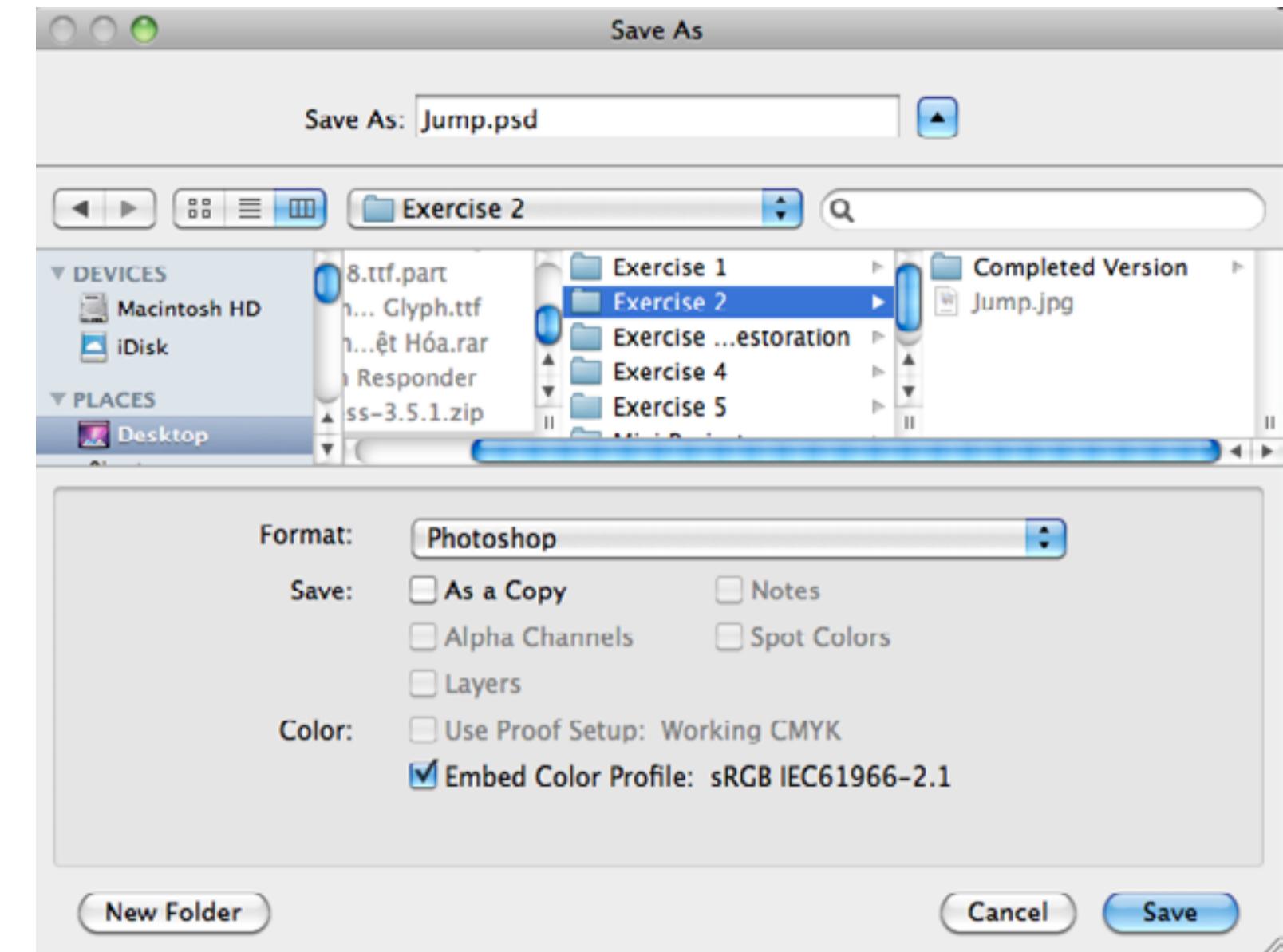
Practice retouching skills,  
adjustment layers and masking

## Exercise 3



## Exercise 3

1. Open Exercise 3.jpg
2. Go to File > Save As
3. Select Photoshop as the Format
4. Name your file: Phone Booth.psd

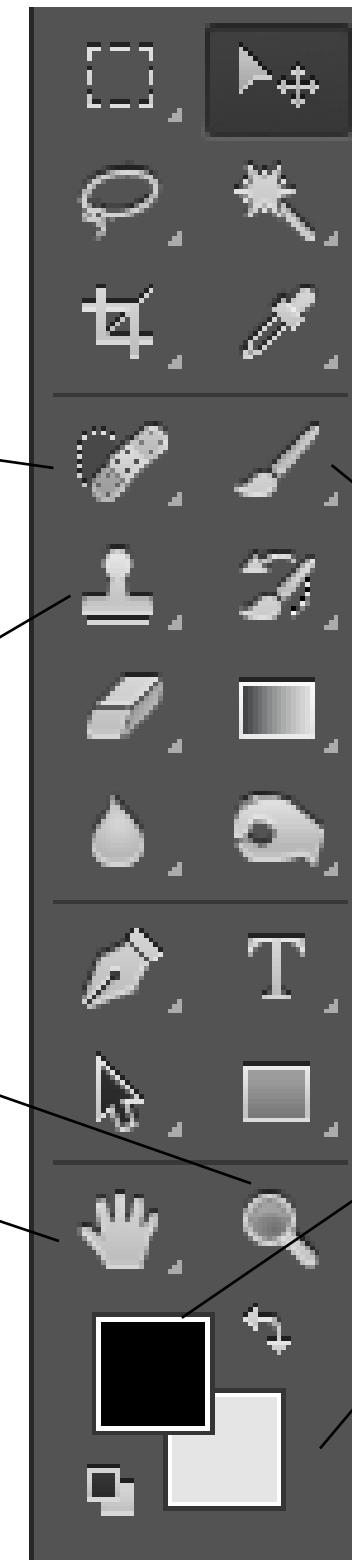


## Tools for this exercise

Spot Healing Brush Tool  
Patch Tool

Clone Stamp Tool

Zoom Tool  
Hand Tool



Brush Tool

Foreground colour  
Background colour

## Retouching: Let's clean it up!

1. Use your Spot Healing Brush and Clone Stamp Tool to remove the imperfections on the side of the door. Use a small, soft brush and work your way down the side of the door.

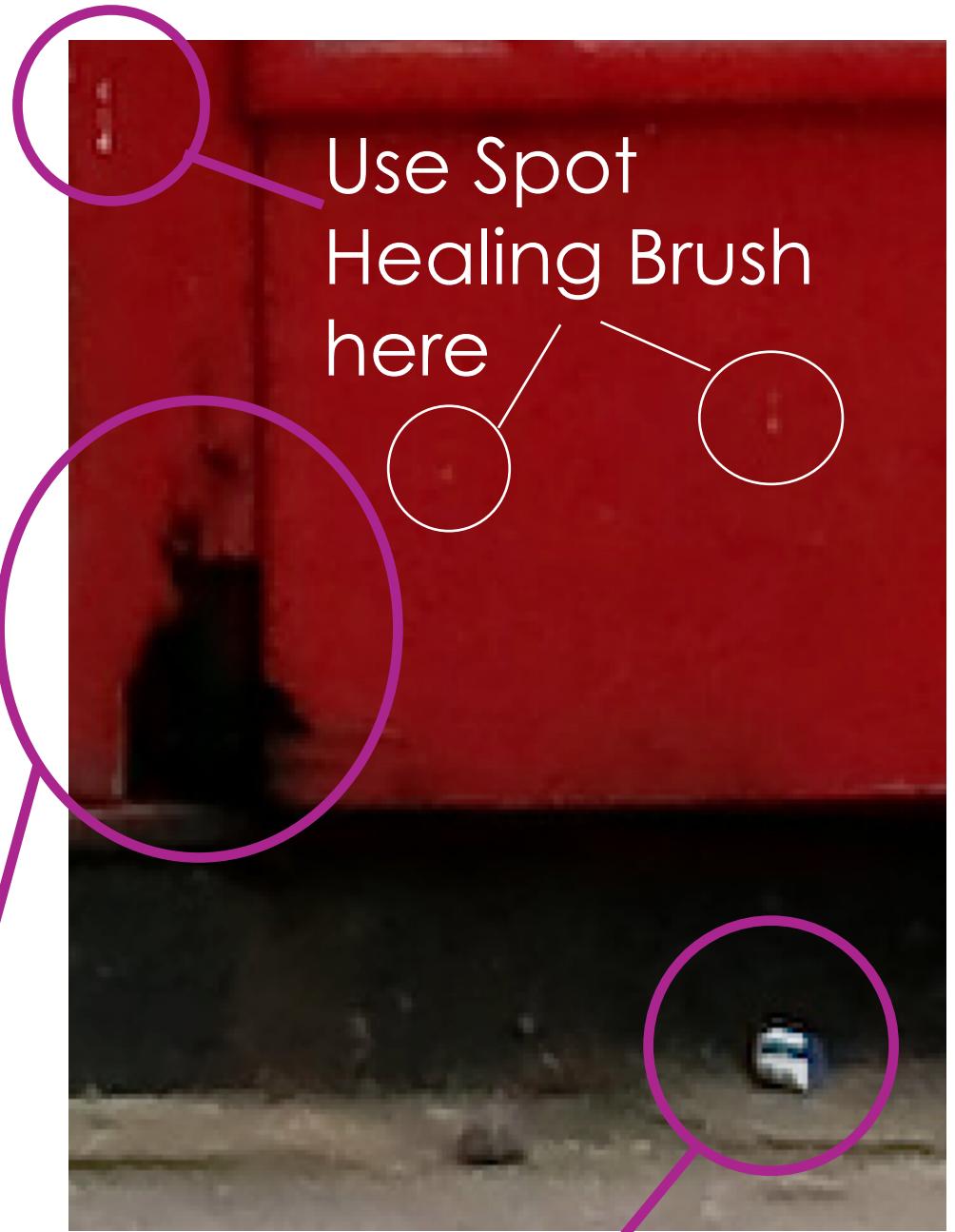
**Remember:** You must select a sample point when you use the Clone Stamp Tool. Press the Alt/Option key and click to sample an area. Spot Healing Brush automatically samples, so just paint away.



## Retouching: Let's clean it up!

2. Use your Spot Healing Brush and Clone Stamp Tool to remove imperfections on other parts of the door. Change your tool and size/hardness as needed. It will take some experimenting and that's OK.

**Remember:** Use your History Panel to go back if you make a mistake. It only records the last 20 changes you've made so take notice while you are experimenting.

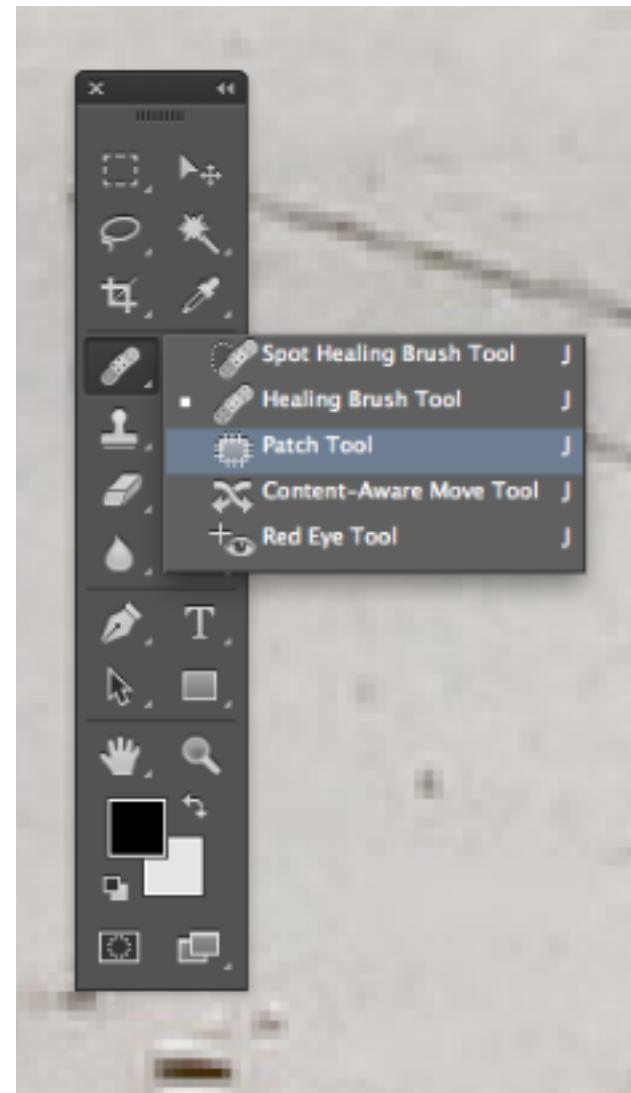


Use Patch Tool  
here

Use Spot Healing  
Brush here

## Retouching: Using the Patch Tool

1. Click on the little triangle in the corner of the Spot Healing Brush Tool to reveal the hidden tools
2. Select the Patch Tool



## Retouching: Using the Patch Tool



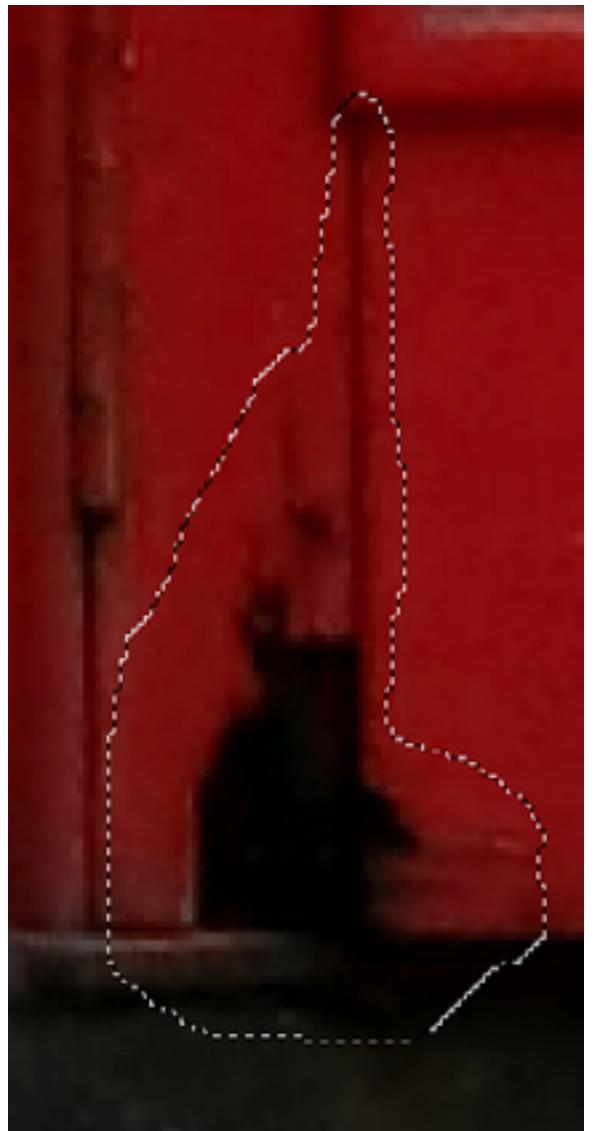
3. Draw an outline around this sticker



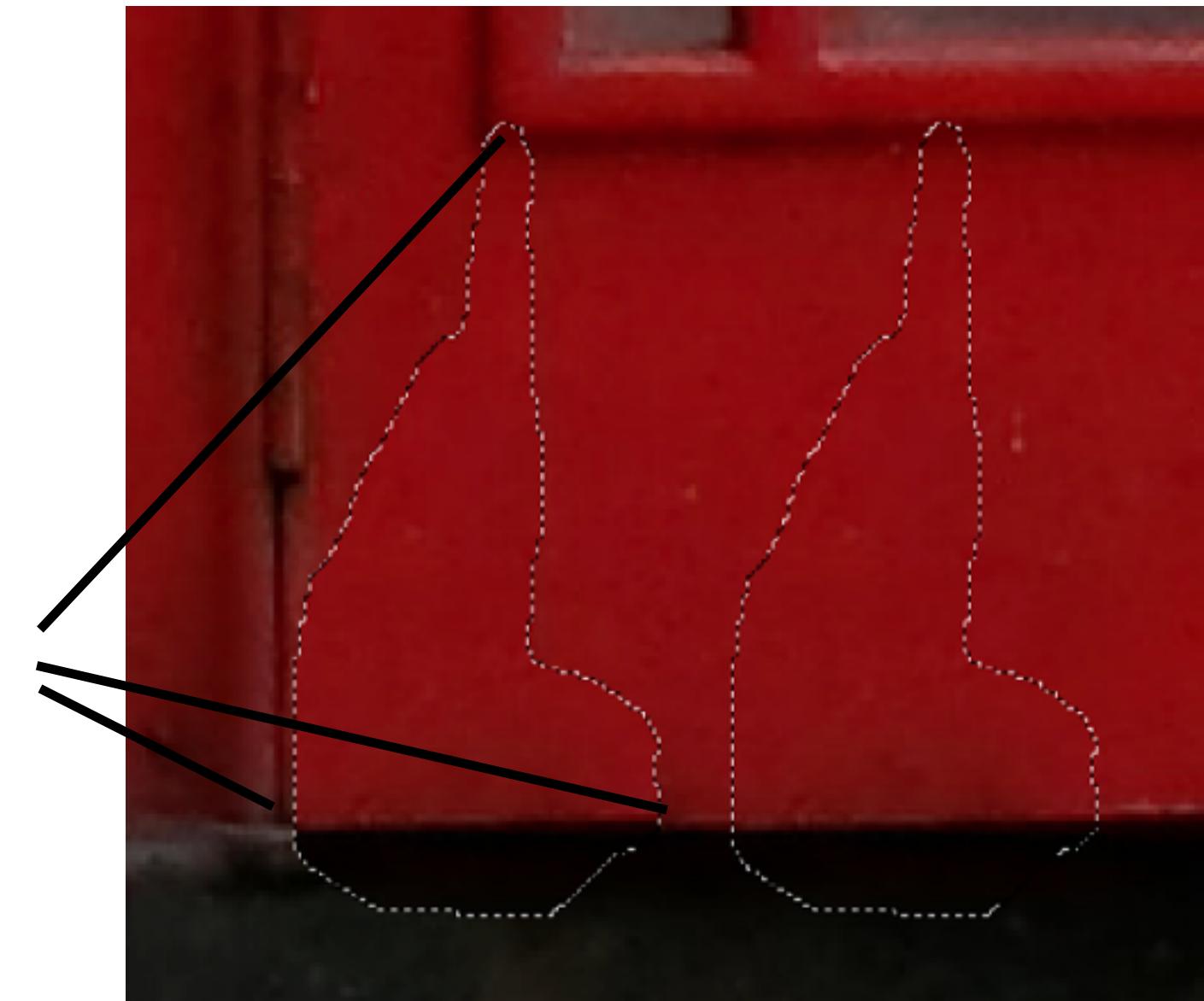
4. Click and drag the selected area to a clean area nearby

5. Click again to deselect

## Retouching: Removing the chipped area

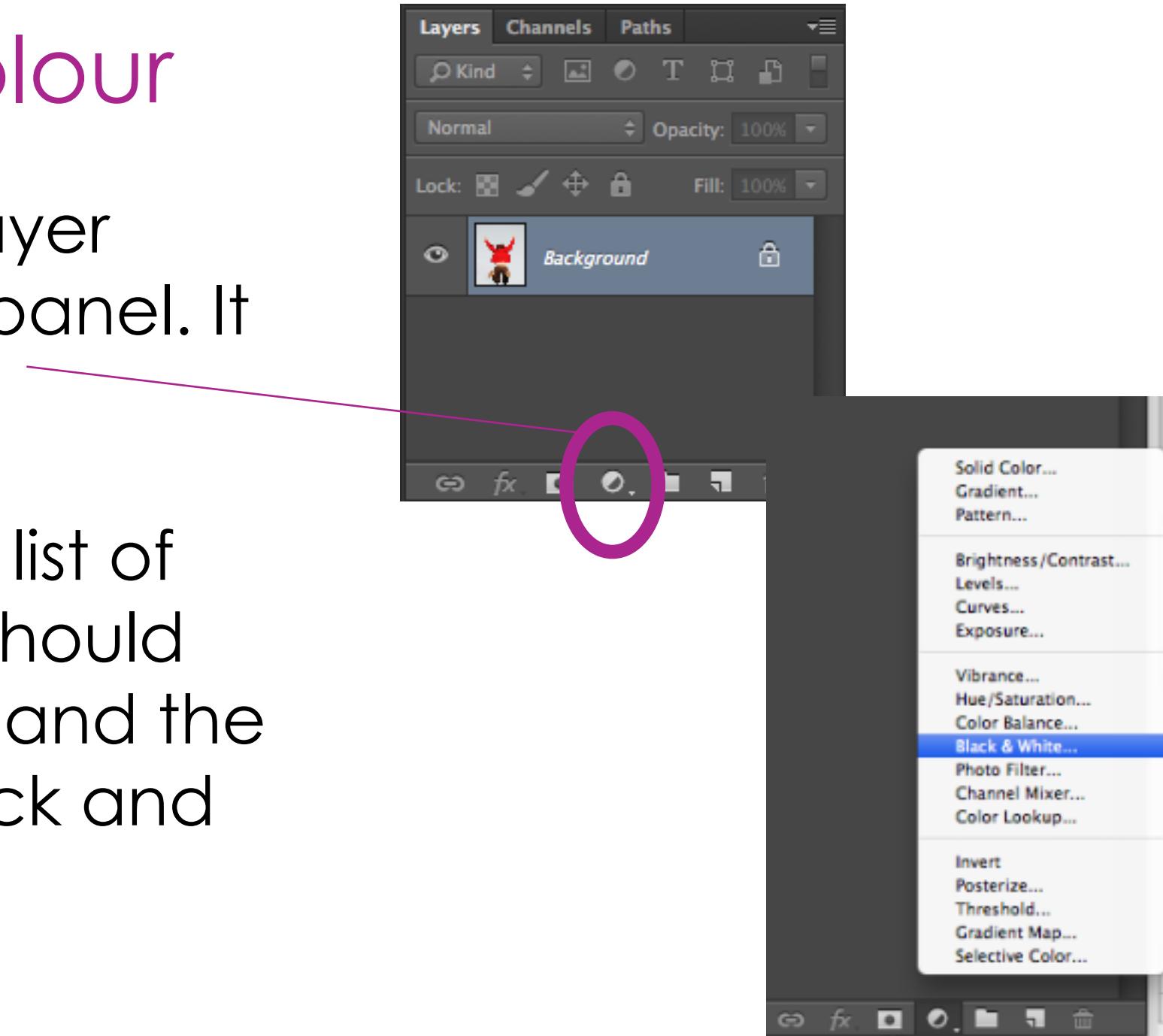


1. Use the Patch Tool to draw a generous outline around the chipped area
2. Click and drag the selected area to a clean area nearby. **Before you unclick, make sure the new area aligns at the top and bottom.**



## B&W with a splash of colour

1. Click on the Fill/Adjustment Layer icon at the bottom of the layer panel. It should open up a menu



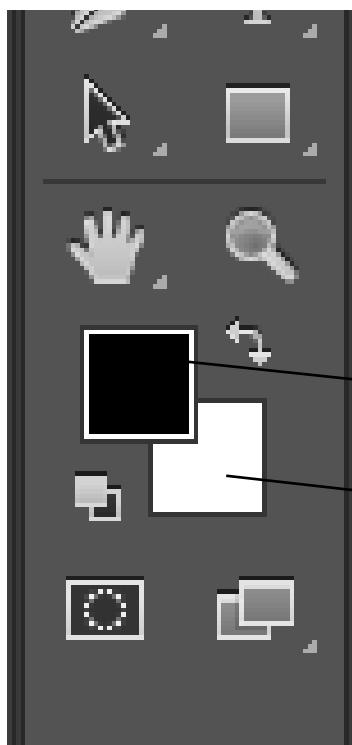
2. Select Black & White from the list of adjustment layers. A new layer should now appear in your layer panel and the image should appear to be black and white

## B&W with a splash of colour

3. Select the Brush Tool



4. Set black as the foreground colour in the tool bar



Foreground colour  
Background colour

**Tip:** Use the little arrow between the foreground and background colours to toggle them

## B&W with a splash of colour

5. Paint over the phone booth to reveal the red colour beneath
6. Zoom in and right-click to change your brush size and hardness as needed
7. Switch to a white paint brush to paint over any other coloured areas of the photo that were accidentally revealed



## Save for web

1. Save your file for web @ 900 pixels wide
2. Save your PSD and close the file



## Exercise 4

### Use retouching skills to restore an old photograph

## Exercise 4

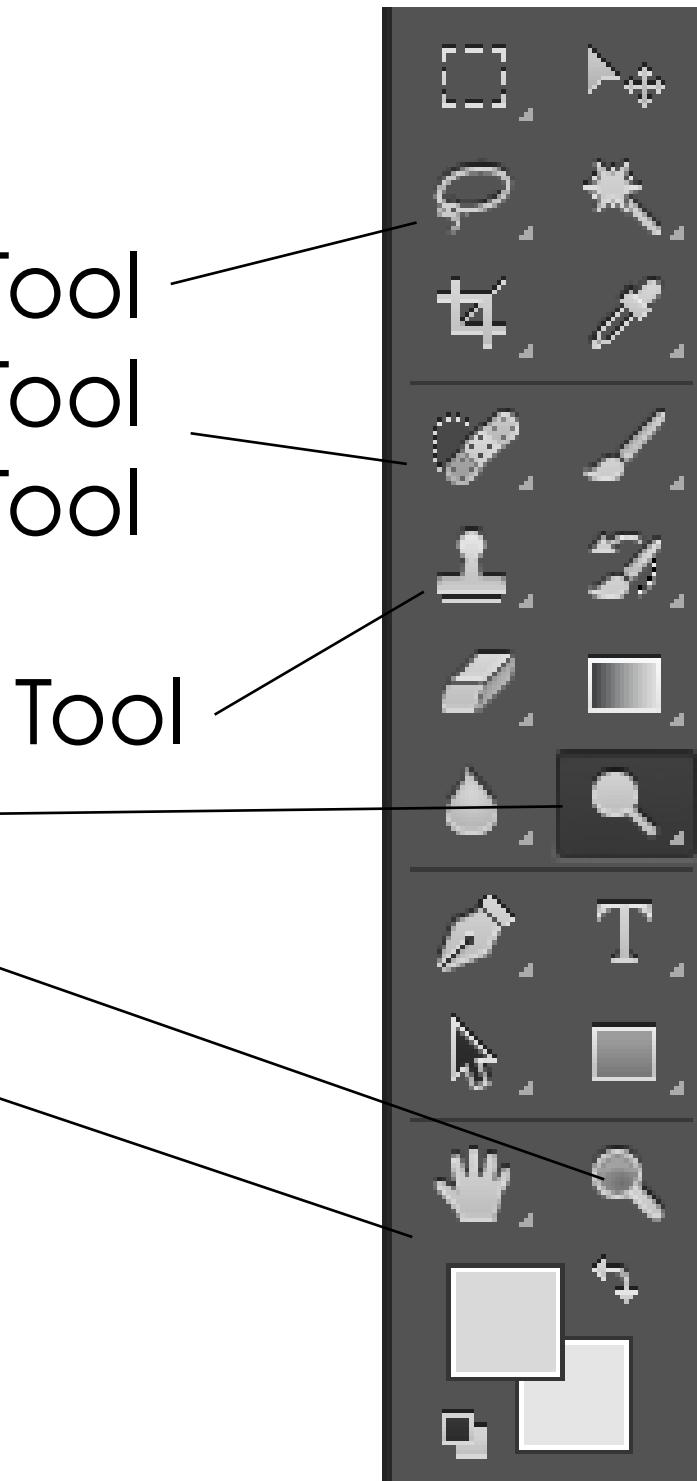


## Exercise 4

1. Open Exercise 4.jpg
2. Go to File > Save As
3. Select Photoshop as the Format
4. Name your file: Photo Restoration.psd

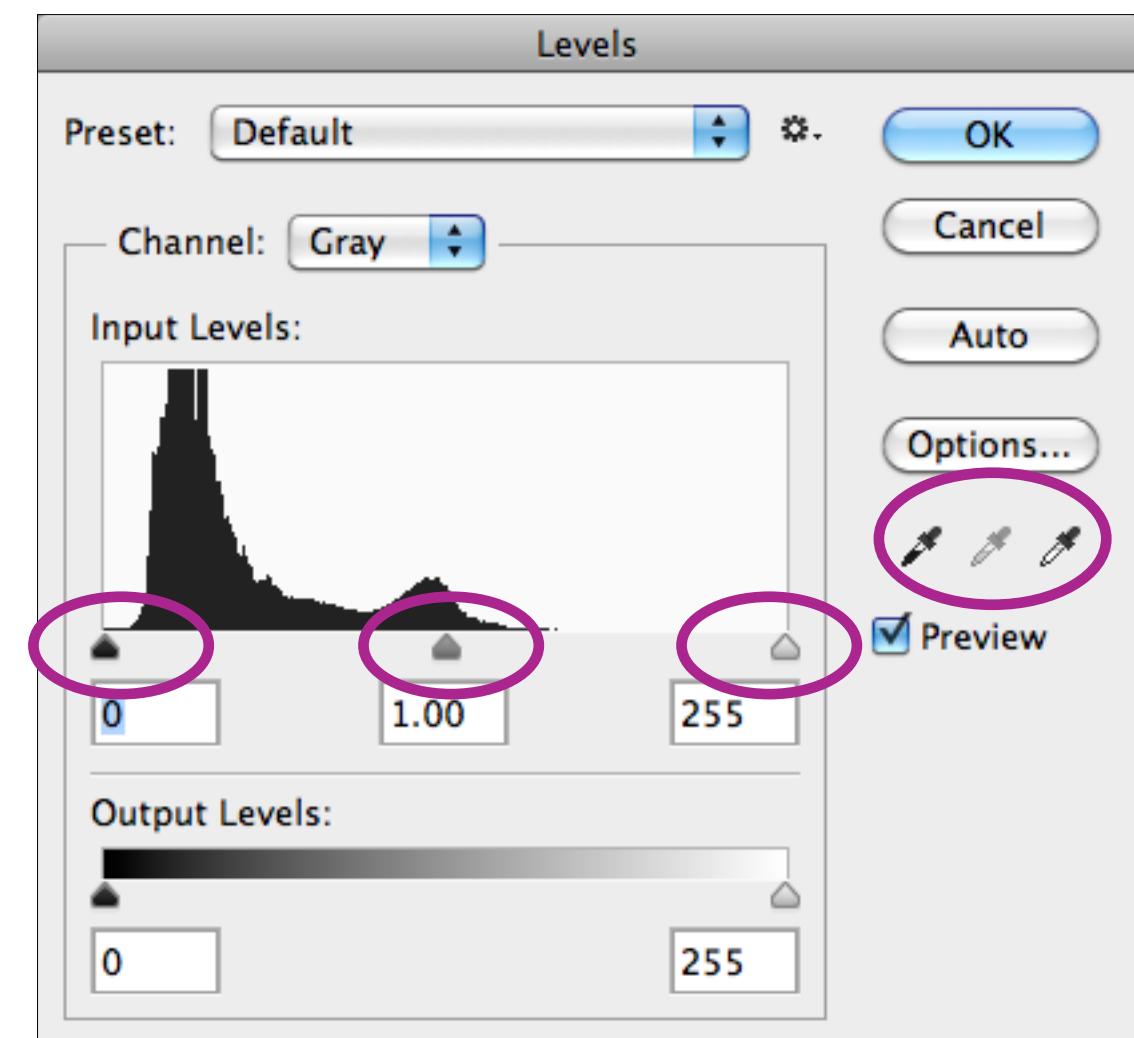
## Tools for this exercise

Lasso Tool  
Spot Healing Brush Tool  
Patch Tool  
  
Clone Stamp Tool  
Dodge Tool  
Zoom Tool  
Hand Tool



## Tonal adjustment

1. Go to Image > Mode > Greyscale
2. Go to Image > Adjustments > Levels
3. Use the eyedropper tools to set the black and white points of the photo, then manually adjust the stops as needed
4. Click OK when done



## Touch up the sweater

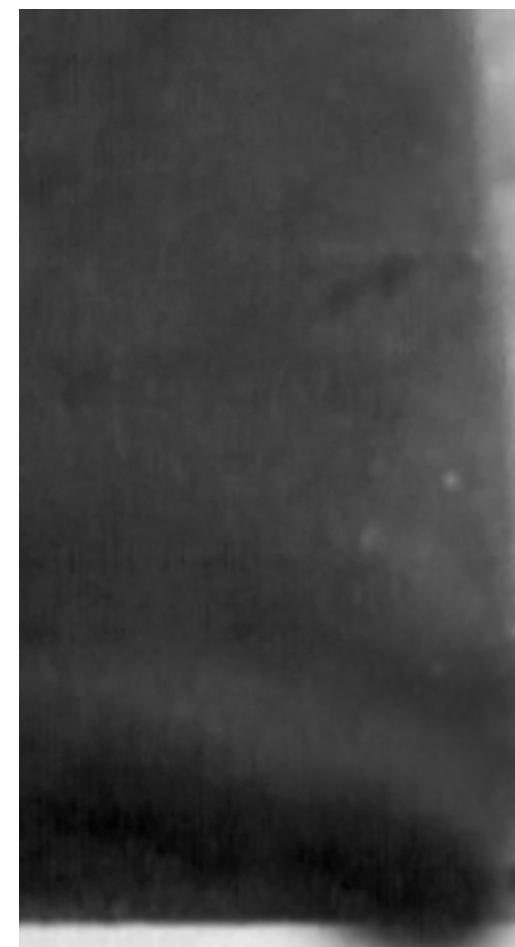
1. Zoom into the man's sweater
2. Select the Spot Healing Brush Tool and right-click to reveal settings:  
set size to 83 pixels and hardness to 0%
3. Clean up the minor damage on the sweater



## Touch up the sweater

4. Zoom in and use the Clone Stamp Tool to fix the damage on the arm

It's okay if you paint beyond the image borders – we will be cropping this later



**Reminder:** Save your work as you go along!

## Touch up the background

1. Use the Clone Stamp Tool to sample the background area between the man and the woman and then paint on the damaged area next to the man's arm

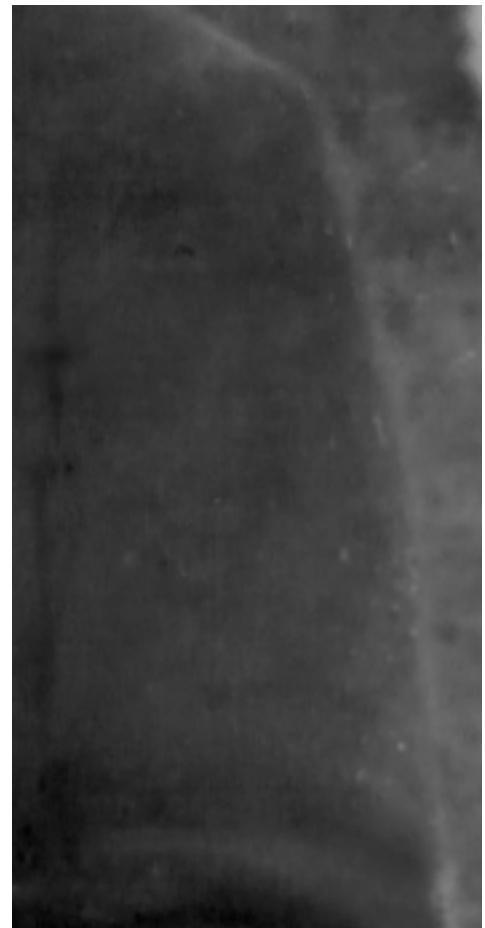
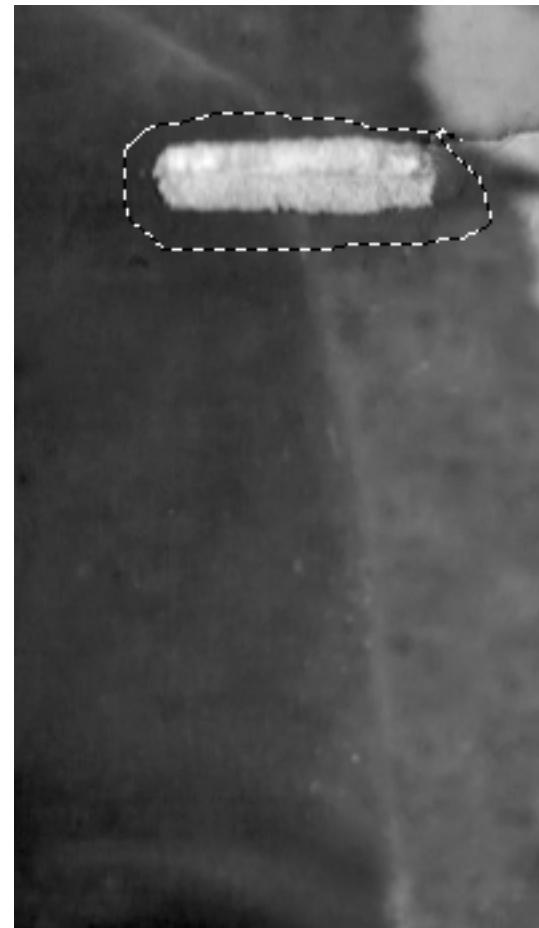
**Note:** Since the damaged area is much longer than the sample area, you will have to sample/paint a few times to do the length



## Fix the rip

1. Use the Patch Tool to draw an outline around the rip. Careful not to get part of the sidewalk in your selection

2. Click and drag the selected area to a clean area just below. Make sure the top and bottom align before you let go



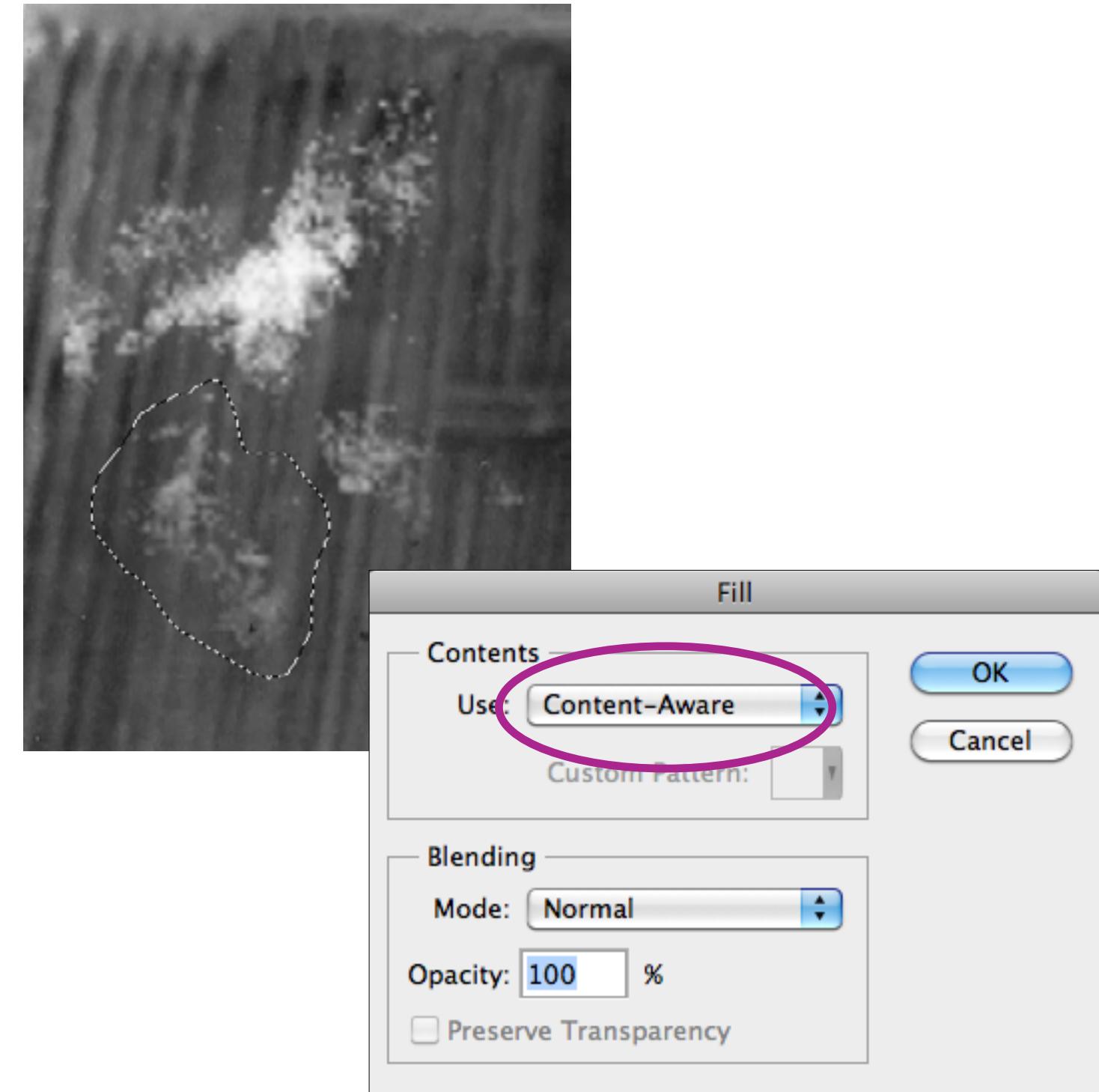
## Minor damage

1. Zoom in and use the Clone Stamp Tool to fix the damage on the right side of the photo
2. Use the Spot Healing Brush Tool to clean up any other minor spots on the photo, including minor spots on the fence. We'll do the major fence damage next



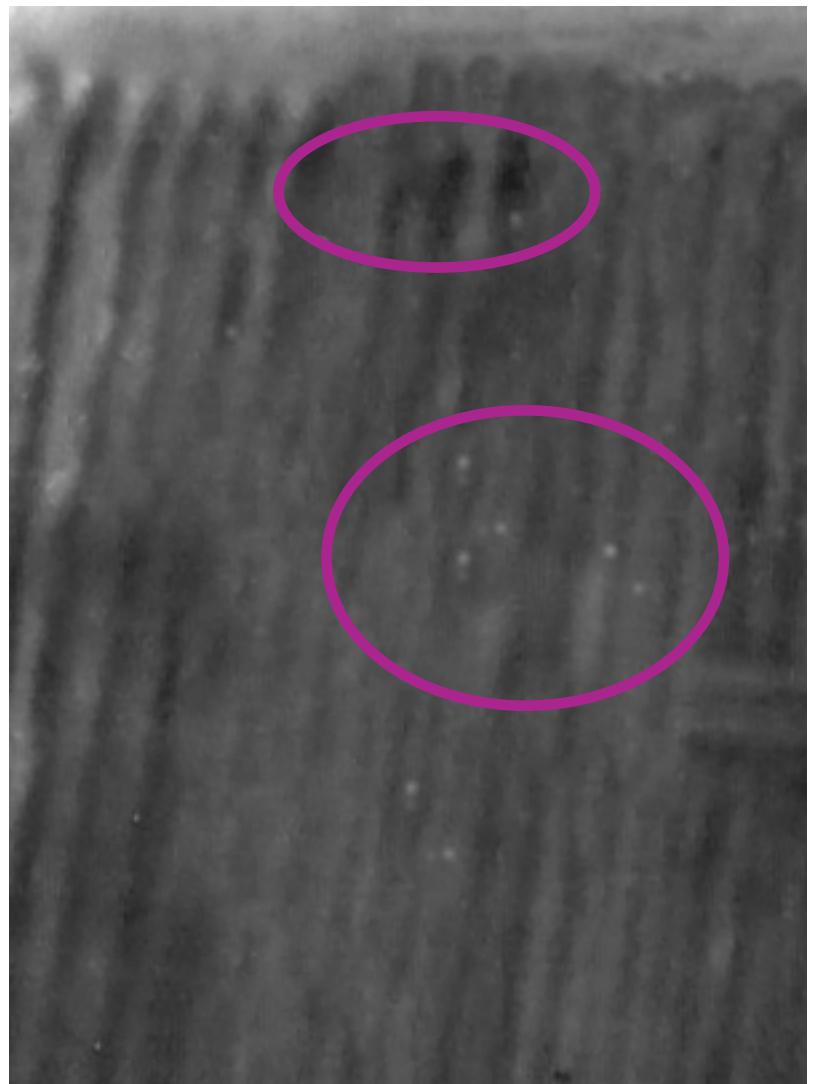
## Restore the fence

1. Zoom into the fence
2. Use the Lasso Tool to draw an outline around the first section of damage
3. In your menu go to Edit > Fill
4. Select Content-Aware from the drop down menu



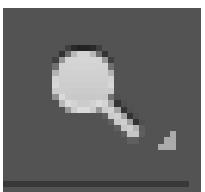
## Restore the fence

5. Repeat the process for the other two damage areas. You may have to fill an area more than once to get the fence to look natural
  
6. Clean up any remaining spots on the fence with the Spot Healing Brush or Clone Stamp Tool

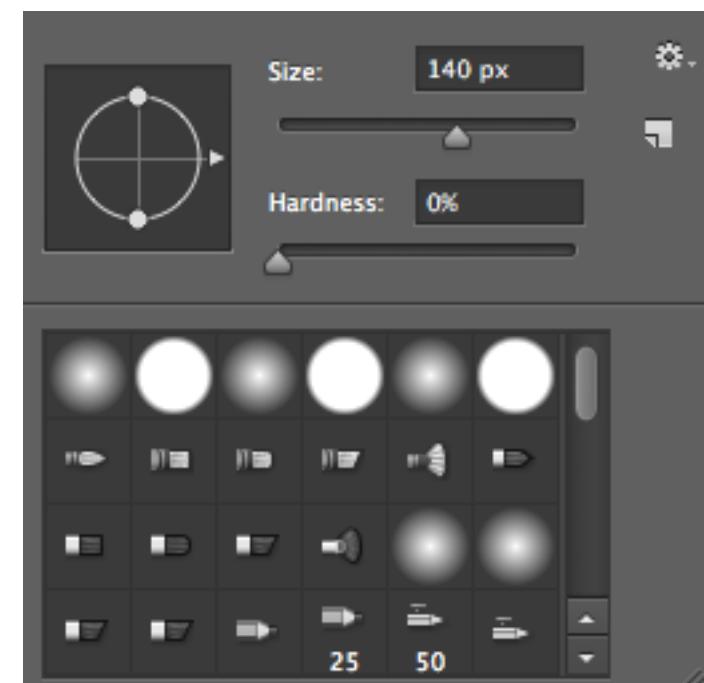


## Restore the fence

7. Select the Dodge Tool



8. Right-click and set the size to 140 px and hardness to 0%



9. In your control panel set the Range to Shadows and Exposure to 6%



## Restore the fence

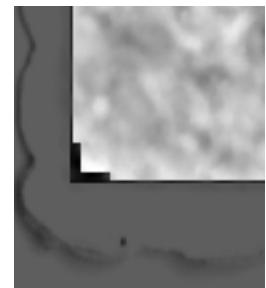
10. Paint the very dark area over the woman's head until the tones are more consistent with the rest of the fence



11. Clean up any remaining spots on the fence with the Spot Healing Brush or Clone Stamp Tool

## Crop and save your file

1. Select the Crop Tool
2. Clear the settings in the control panel
3. Drag edges slightly inside the image area to crop out the border
4. Press Enter when satisfied
5. Save and close your file



## Exercise 5

Use layers, masks and filters to create  
a stylized composition

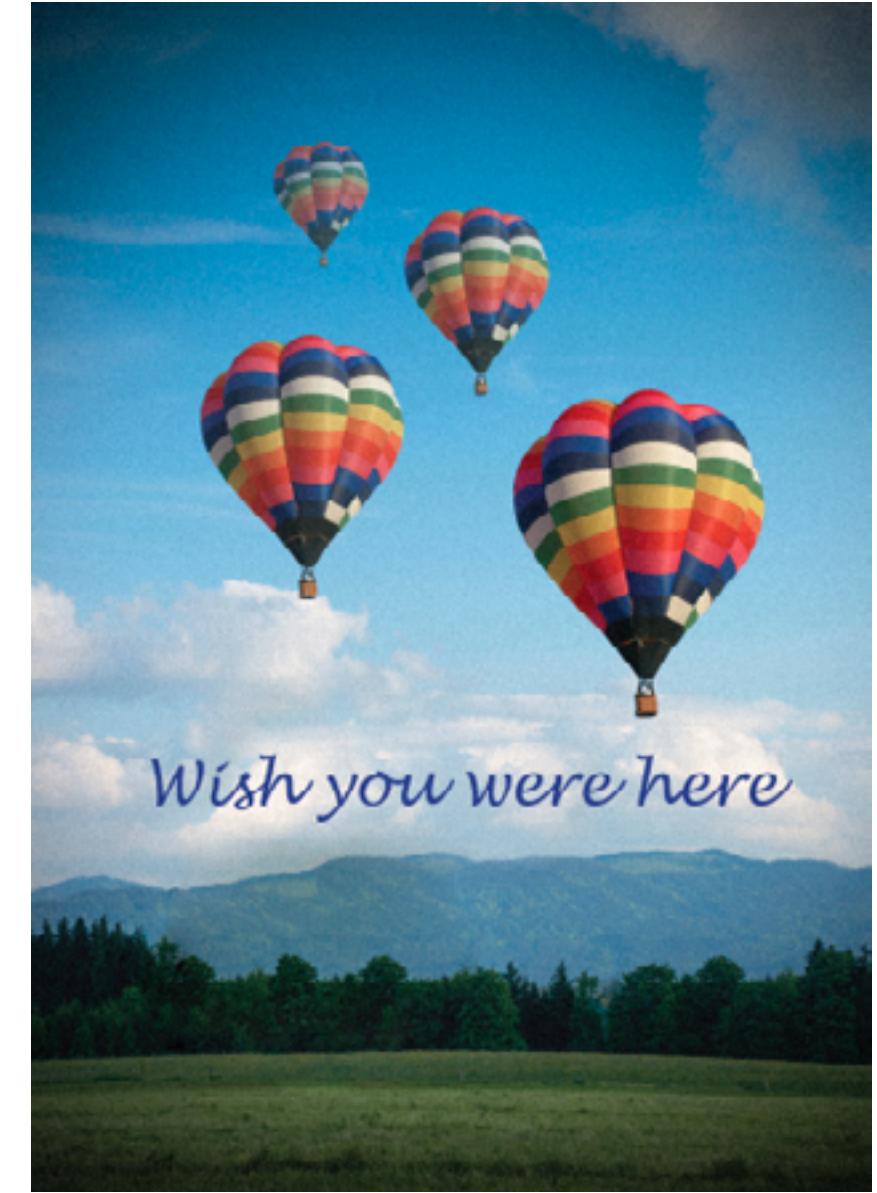
## Exercise 5



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## Getting set up

1. Create a new Photoshop document:

Go to File > New

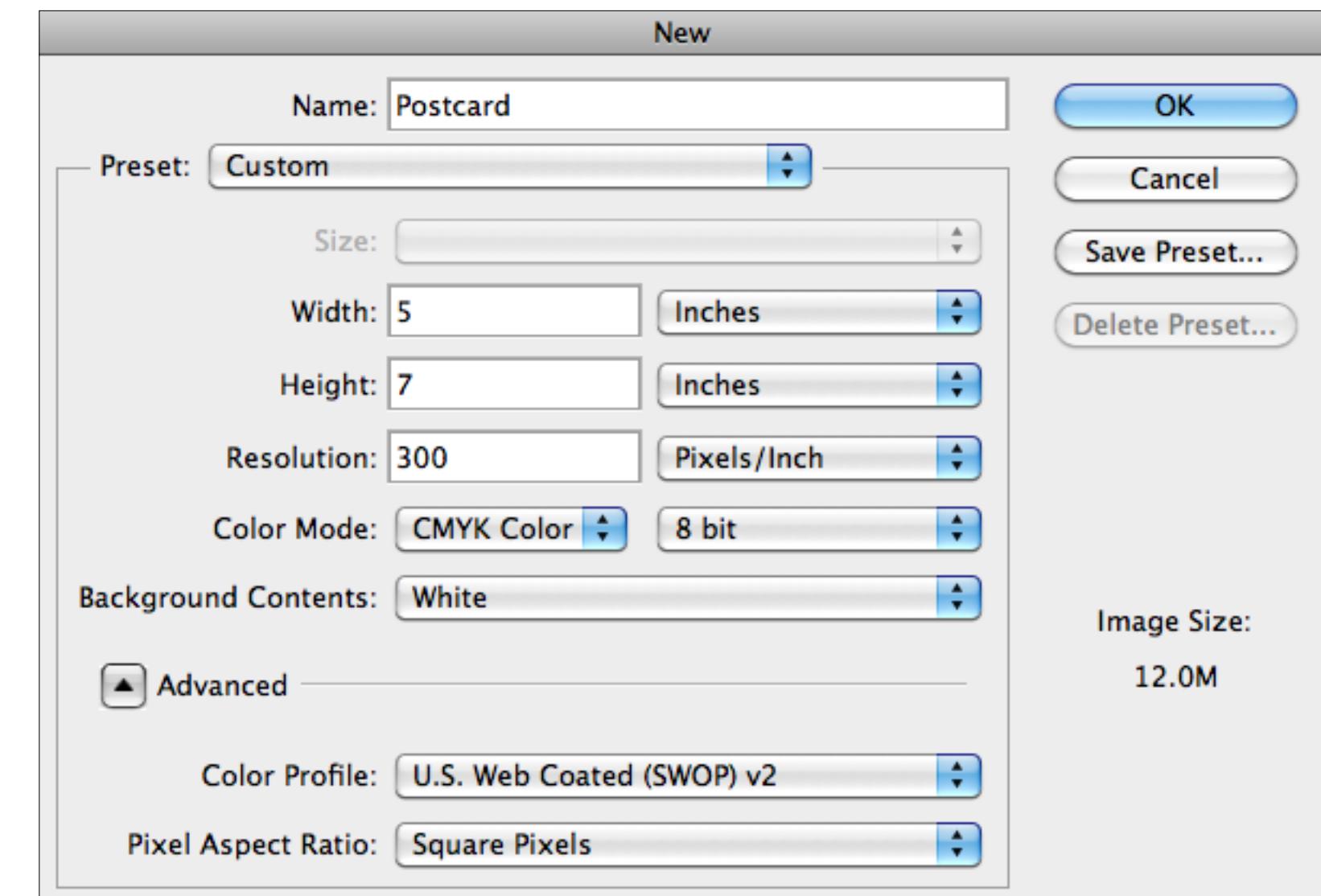
Name: Postcard

Width: 5 inches

Height: 7 inches

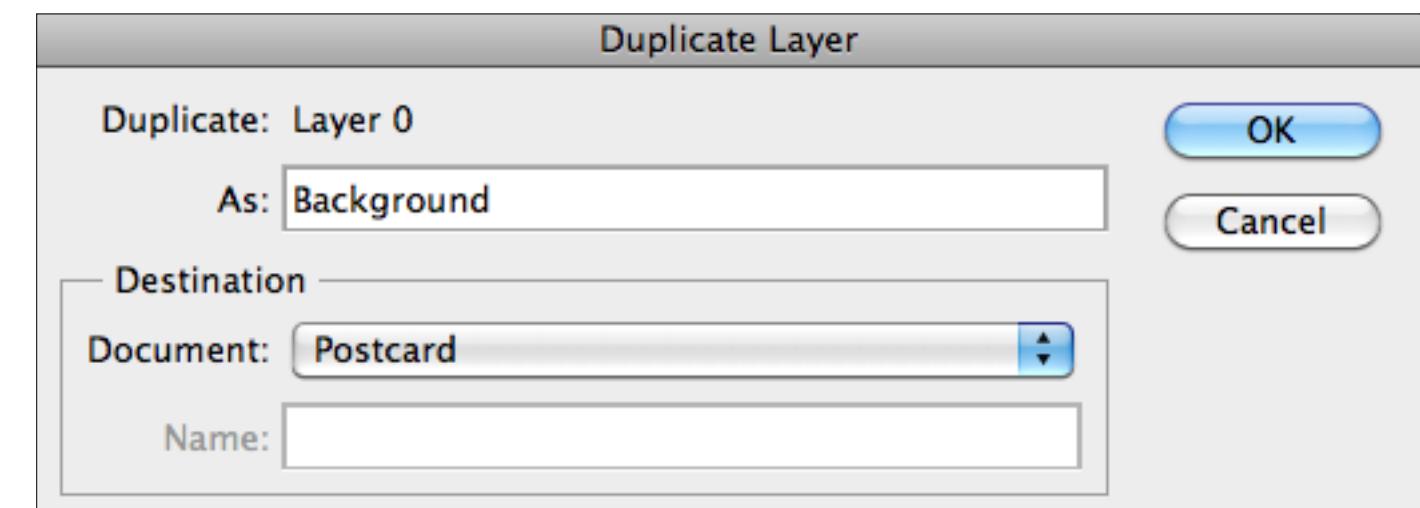
Resolution: 300

Colour Mode: RGB (we'll convert it to CMYK at the end)



## Bringing in the background

1. Go to File > Open > Exercise 5a.jpg
2. Right-click on the background layer in the layer panel to reveal options
3. Select Duplicate Layer
4. Name the layer “Background” and select Postcard from the document drop down menu



## Bringing in the hot air balloon

1. Open Exercise 5b.jpg
2. Select the Lasso Tool and draw an outline around the hot air balloon, careful not to cut it off
3. Go to Edit > Copy
4. Return to your Postcard document
5. Go to Edit > Paste



## Editing the hot air balloon

1. Go to Edit > Free Transform
2. While holding down the shift key, click and drag the corner in until the balloon is a more realistic size. Press Enter

**Reminder:** Save your work!

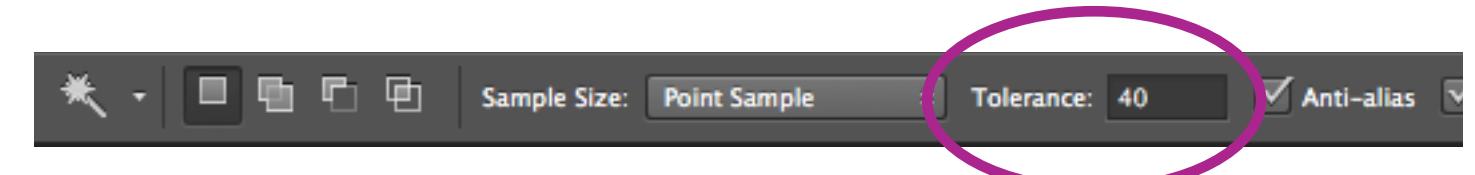


## Editing the hot air balloon

3. Select the Magic Wand Tool



4. Set the Tolerance in the control panel to 40



5. Click on the background above the hot air balloon and delete

6. Lower the Tolerance in the control panel to 10 and repeat for the lower part of the balloon

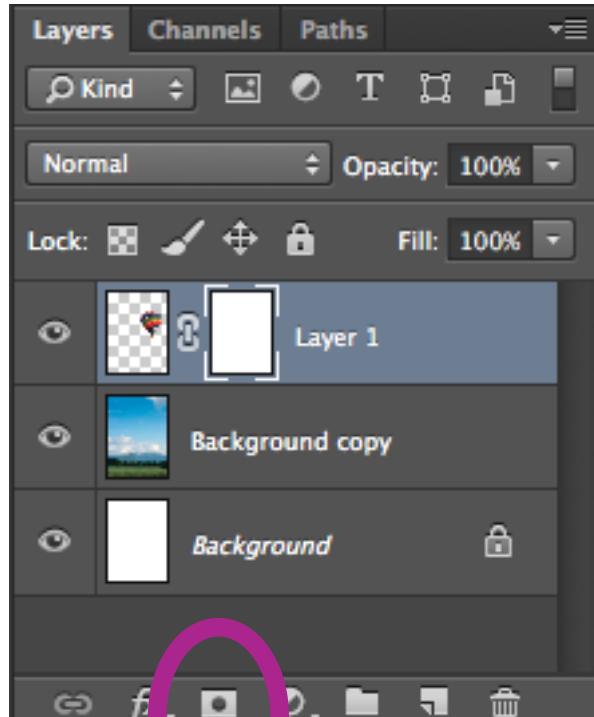


## Editing the hot air balloon

7. Click on the Add a Layer Mask icon at the bottom of the layer panel

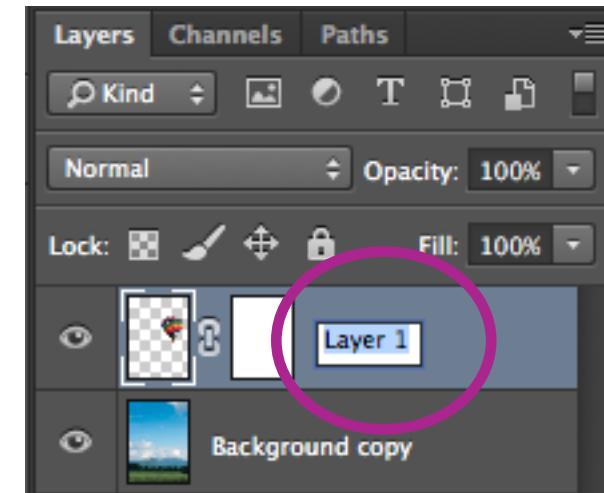
8. Select the Brush Tool and set the foreground colour to black

9. Paint over the remaining background areas of the hot air balloon to hide them. If you make a mistake, repaint with the white brush



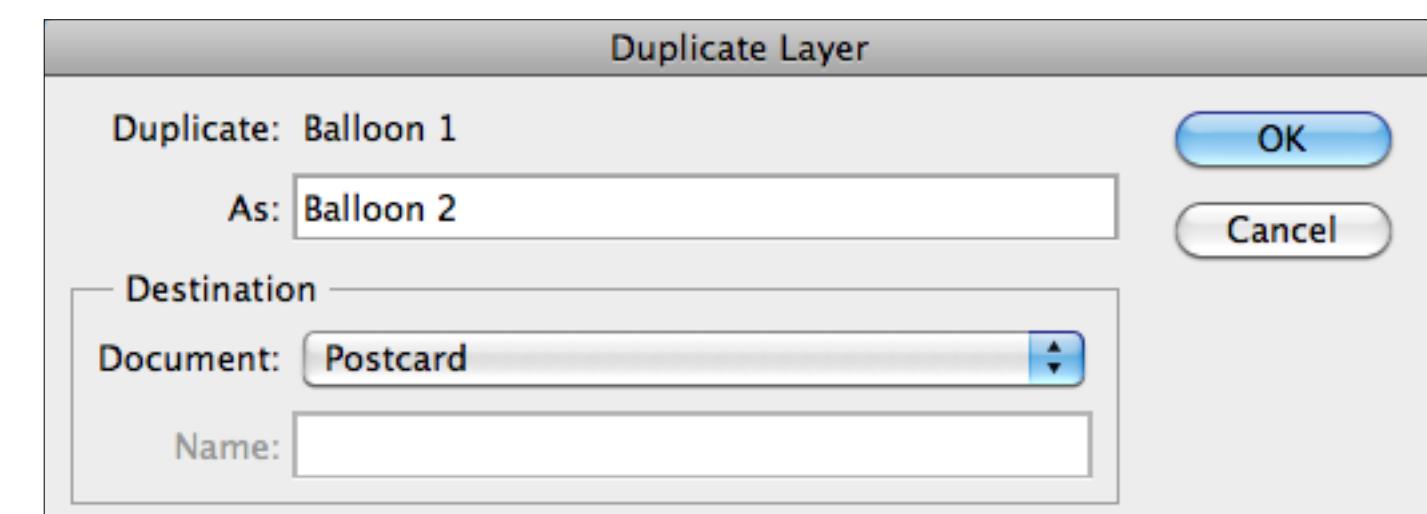
## Duplicating the hot air balloon

1. Rename your hot air balloon layer to stay organized



2. Right-click on the layer and select Duplicate Layer

3. Name the new layer: Balloon 2



4. Reposition it

## Duplicating the hot air balloon

5. Go to File > Free Transform

While holding down the Shift key, click and drag the corner in until the balloon is about two-thirds the size of the original to give the impression of distance



## Duplicating the hot air balloon

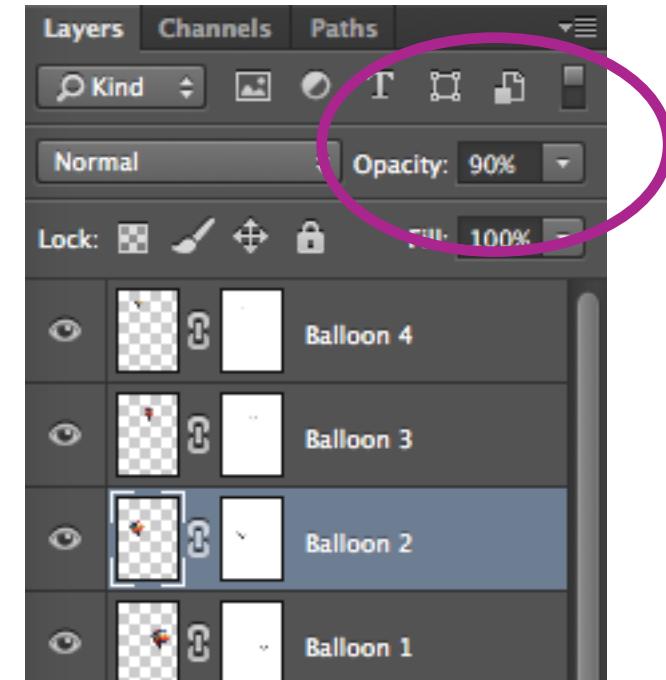
Repeat Steps 2-5 to create Balloon 3 and Balloon 4, each one smaller than the last

**Reminder:** Save your work!



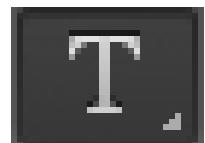
## Changing the opacity

1. Click on the Balloon 2 layer in your layer panel
2. Change the opacity to 90%
3. Click on Balloon 3 layer and change opacity to 80%
4. Click on Balloon 4 layer and change opacity to 60%

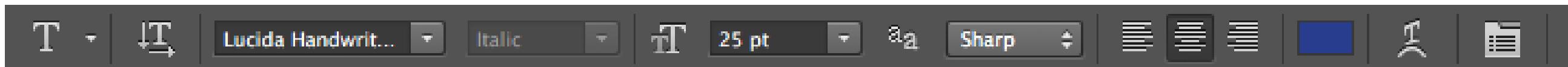


## Using the type tool

1. Click on the Horizontal Type Tool



2. Select a font, size and colour in the control panel



3. Draw a box across the clouds on the photo and type a message

## Save another version

1. Our final two steps require us to flatten the image into one layer, so let's save another version of this file

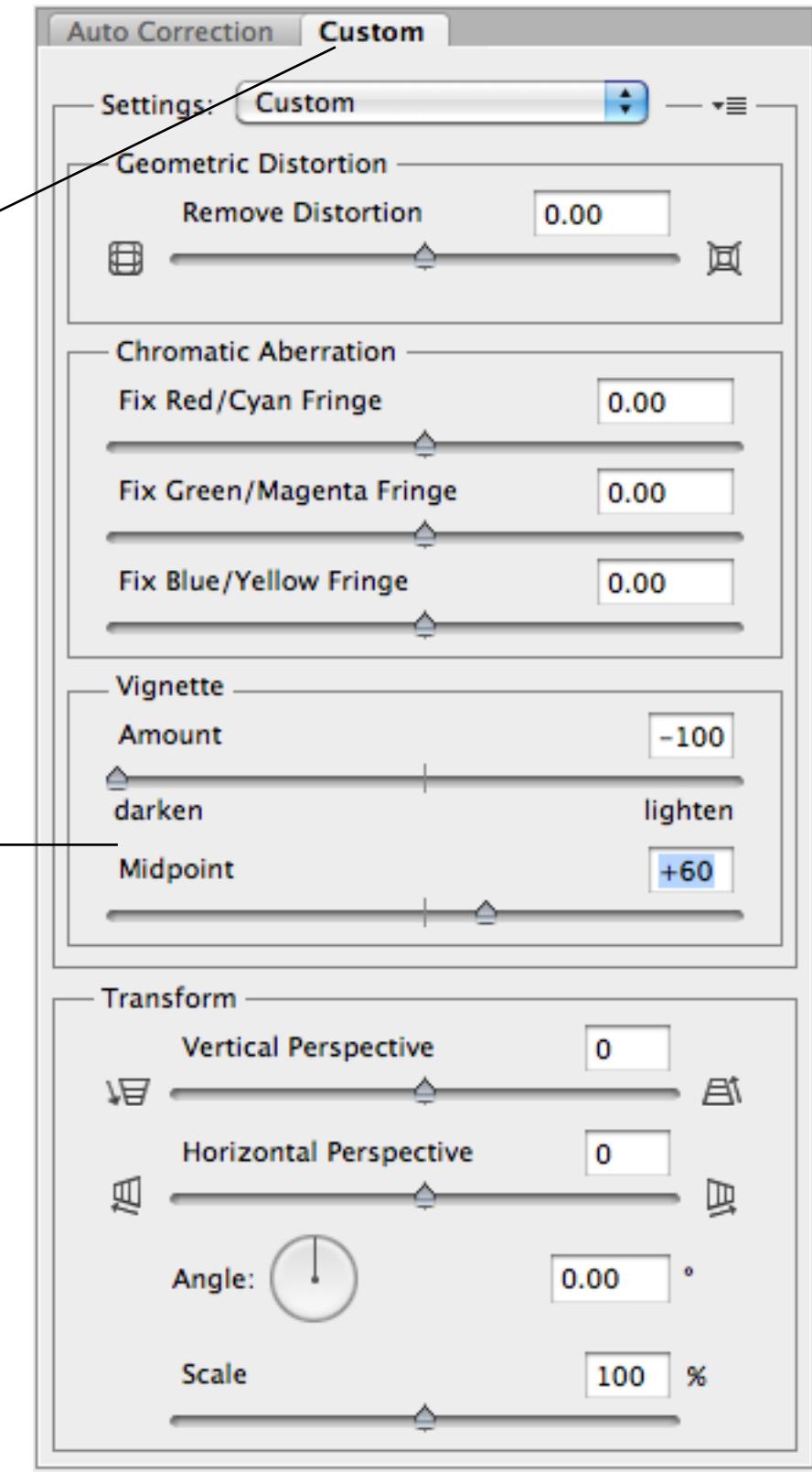
Go to File > Save as

Rename is Postcard II.psd

2. Go to Layer > Flatten image

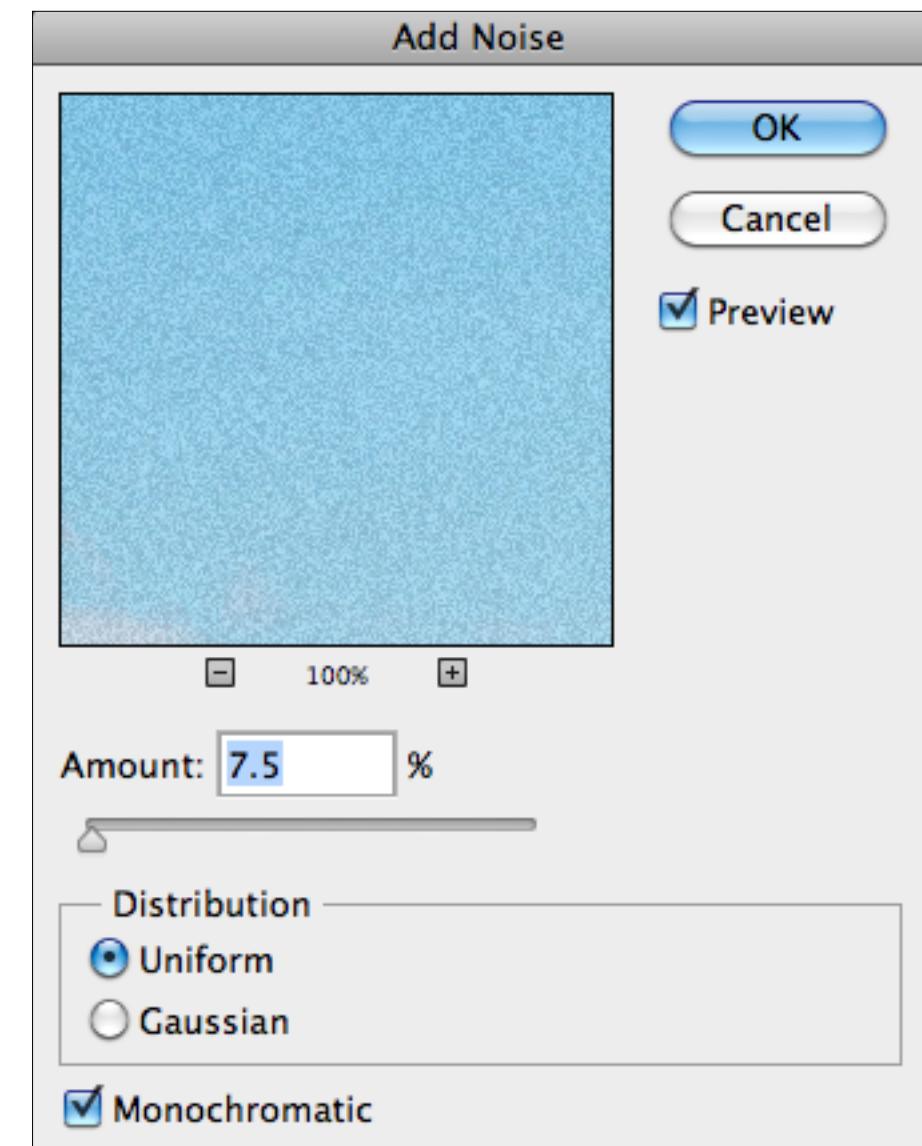
## Create a vignette

1. Go to Filter > Lens Correction
2. Click on the Custom Tab
3. Set Vignette Amount to -100
4. Set Midpoint to +60
5. Click Ok



## Add a grainy texture

1. Go to Filter > Noise > Add Noise
2. Set to desirable amount and click OK



## Save for web and print

1. Save a version for web @ 900 pixels wide

2. Change the colour mode and save another version for print

Image > Mode > CMYK Colour

3. Close your document tab(s)

# Final Exercise

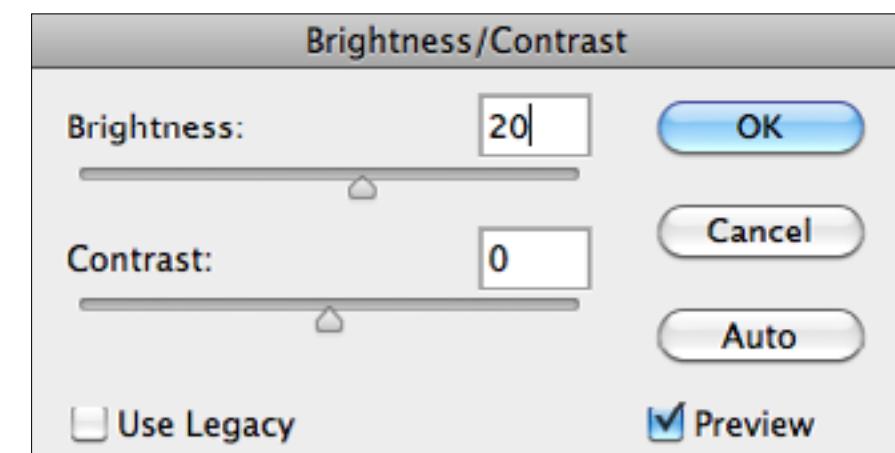
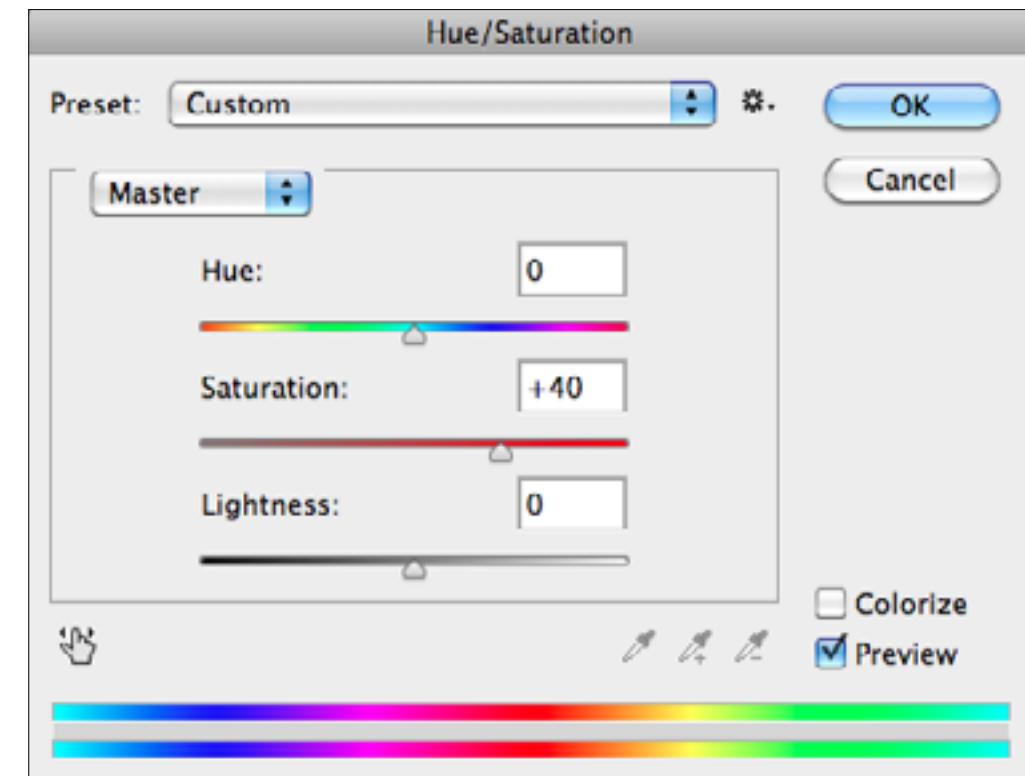
## Tyrannosaurus Photo Bomb!

## Exercise 6



## Adjustments on the Background

1. Open Exercise 6a.jpg
2. Save it as Photo Bomb.psd
3. Image > Adjustments > Hue / Saturation  
Set Saturation to +40
4. Image > Adjustments > Brightness / Contrast  
Set Brightness to +20



## Bringing in the couple

1. Open Exercise 6b.jpg
2. Use the Lasso Tool to draw an outline around the couple. Careful not to cut them off
3. Edit > Copy
4. Go back to your Photo Bomb.psd document and then Edit > Paste



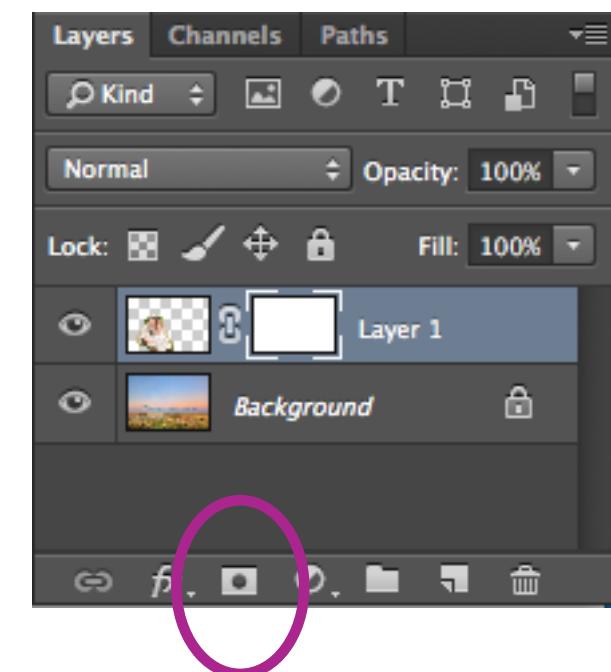
## Editing the couple

1. Resize the couple

Edit > Free Transform

Hold down Shift key and drag corner of the image

2. Click on the Layer Mask icon in the layer panel to add a layer mask to the couple



## Editing the couple

3. Hide the couple's background by painting with a black brush

**Tip:** Use a large/hard brush to hide the areas that aren't touching the couple. Then zoom in and use a smaller/softer brush to hide the areas very close to the couple

## Editing the couple

4. Click on the thumbnail of the couple in the layer panel

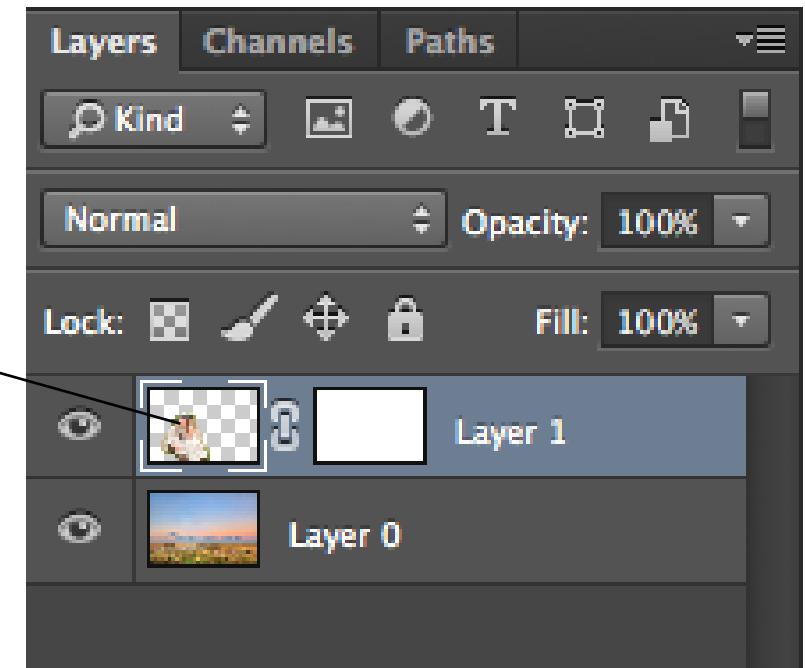
5. Adjust the couple to match the background. Go to Image > Adjustments...

Hue / Saturation

Set Saturation to +20 and Hue to +6

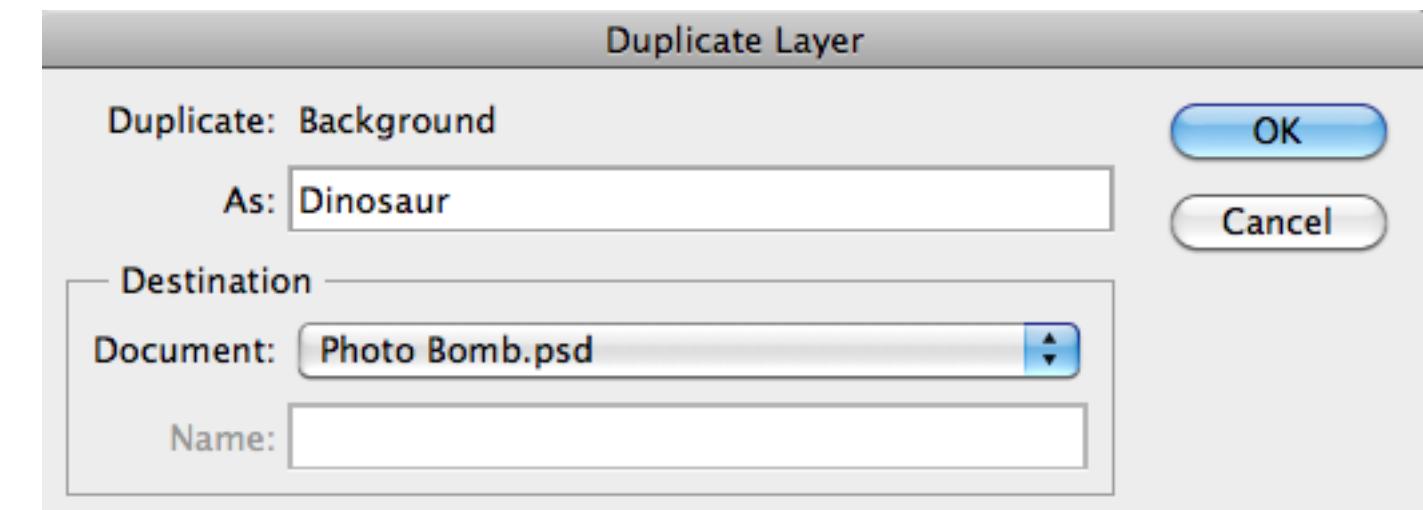
Brightness / Contrast

Set Contrast to +20



## Bringing in the Tyrannosaurus

1. Open Exercise 6c.jpg
2. Right-click on the background layer in the layer panel and select Duplicate Layer from the menu
3. Rename it T-rex and select Photo Bomb.psd as your destination document



## Deleting the white background

1. Select the Magic Wand Tool



2. Set the Tolerance in the control panel to 40

3. Click on the white background of the dinosaur. Marching ants should appear to select the white background



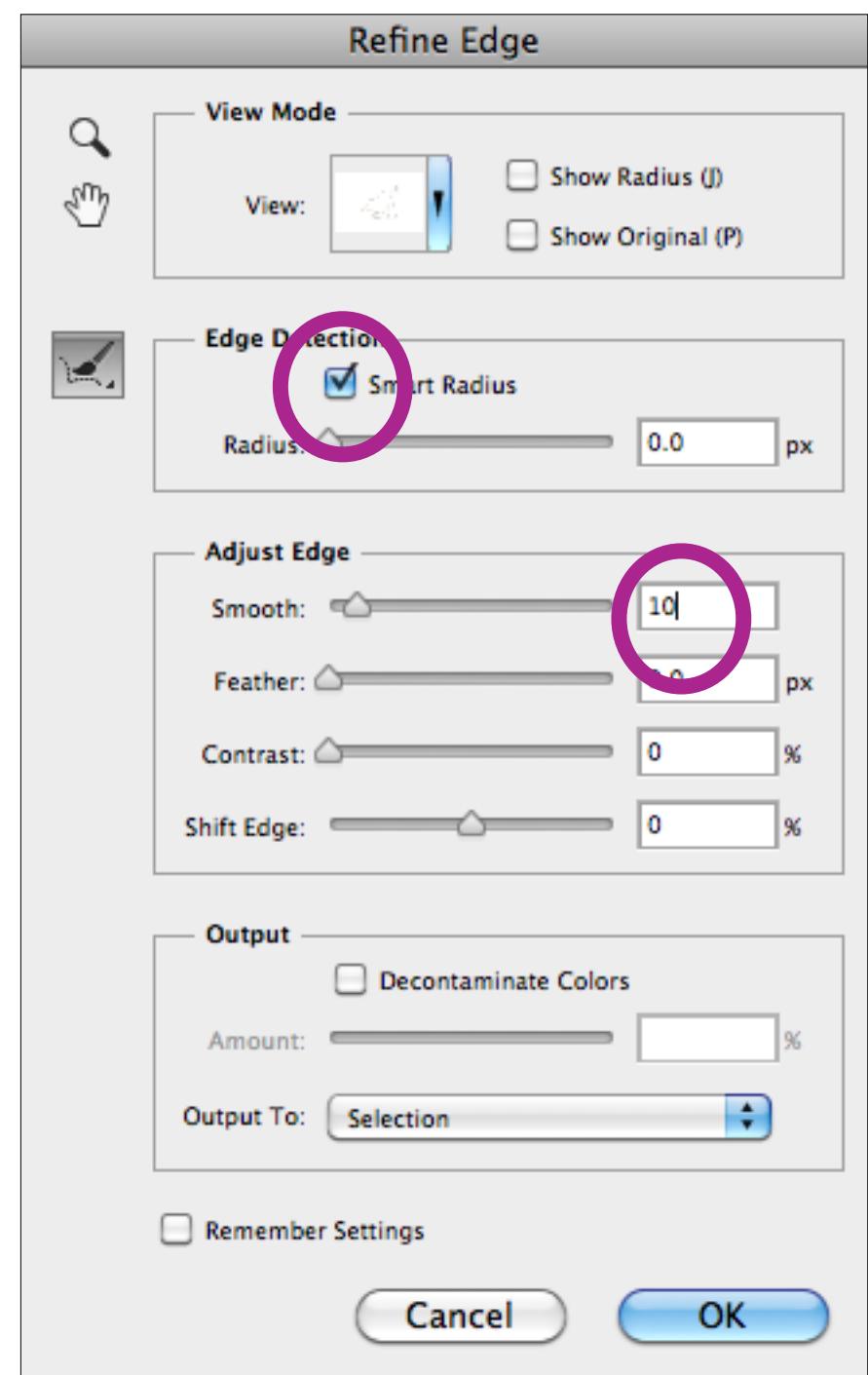
## Deleting the white background

4. Click “Refine Edge” in the control panel

5. Click on Smart Radius and set the edge's smoothness to 10. Click OK

6. Press Delete

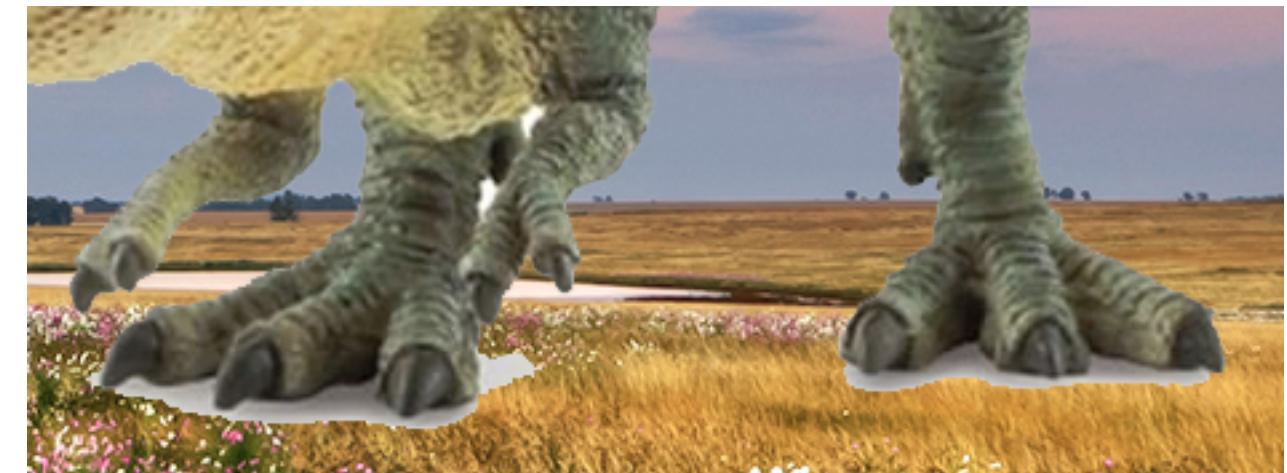
Most of the background should be gone



## Deleting the white background

7. Continue using the Magic Wand Tool to remove the rest of the background area from the feet

Lower the Tolerance when working on the right foot



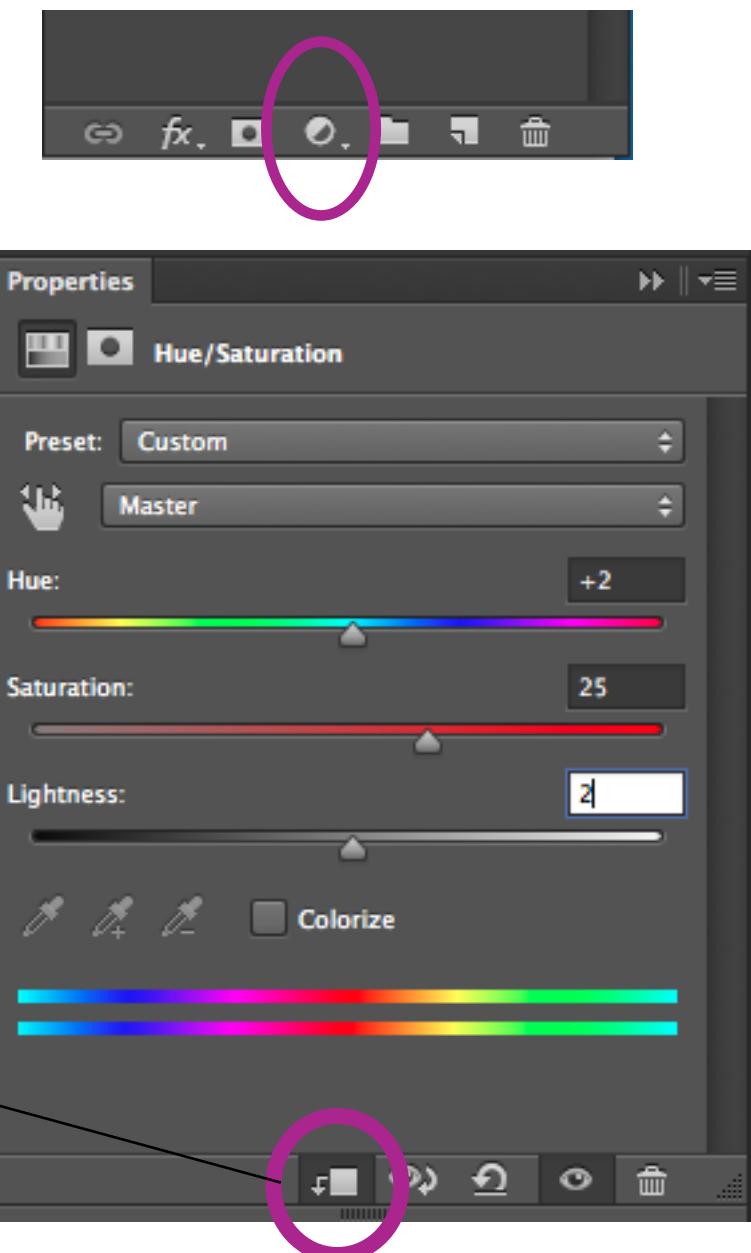
**Reminder:** Save your work!

## Colour correcting the Tyrannosaurus

1. Click on the Fill/Adjustment Layer icon in the layer panel to reveal the menu.  
Select Hue / Saturation

2. In the Properties panel, set the...  
Hue +2  
Saturation +25  
Lightness +2

3. Clip the adjustment to the layer below



## Sharpen the face

1. Select the Sharpen Tool (hidden under Blur Tool)



2. Right-click to reveal options

Size: 100

Hardness: 0%

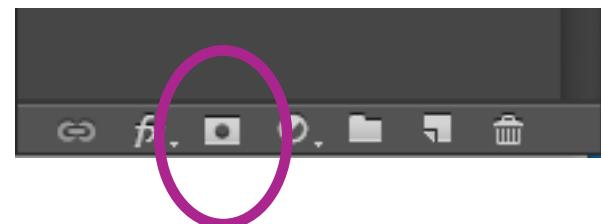
3. Set Strength in control panel to 50%

4. Paint over the face to sharpen it



## Blend feet into the grass

1. Add a layer mask to the dinosaur layer



2. With black brush, paint the edges of the T-rex's feet so he no longer appears to be floating on the grass

Size 30 pixels  
Hardness 30%



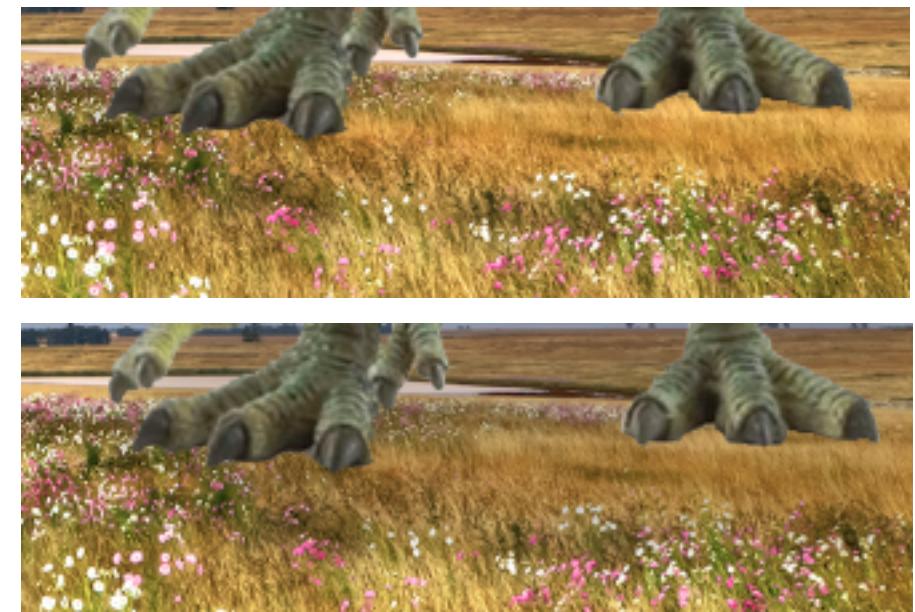
## Add a shadow

1. Select the Burn Tool



2. Set Exposure in the control panel to 30%

3. Select the background layer in the layer panel. Now paint on the grass beneath the T-rex to make it darker



# We're done!



## End of day activities..

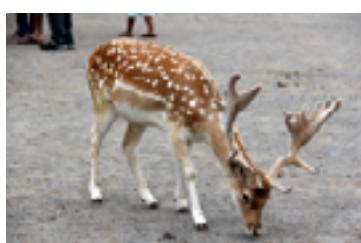
1. Create your own photo bomb!  
Replace the couple or put the  
Tyrannosaurus you just edited in your own  
photo



2. Restore an old photo if you brought  
one



3. Work on one of the mini projects in the  
Extras folder located in your Learner Files



## Image credits

Dahlia on green soft background | Sigurd Decroos | <http://www.sxc.hu/photo/1430885>

Jumping girl | Mateusz Stachowski | <http://www.sxc.hu/photo/1080070>

British phone booth | Domiwo | <http://www.sxc.hu/photo/1157540>

Old photo 1 | Ontanu Mihai | <http://www.sxc.hu/photo/1154981>

Old Photo 2 | Ontanu Mihai | <http://www.sxc.hu/photo/1154982>

Balloon in blue sky | John Byer | <http://www.sxc.hu/photo/946105>

After the rain | Andreas Krappweis | <http://www.sxc.hu/photo/1425972>

Old oak in meadows | Andreas Krappweis | <http://www.sxc.hu/photo/1425977>

Japanese spotted deer | KateKrat | <http://www.sxc.hu/photo/1383274>

Lone tree | Gavin Fordham | <http://www.sxc.hu/photo/1425819>

Wedding photo | Ryan Visima

Thank you!

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