# How to Use PIL for Working With Images

As we've mentioned, for the project in this module, you'll use the Python Imaging Library to proce
does that work?

When using PIL, we typically create **Image** objects that hold the data associated with the images t
these objects, we operate by calling different methods that either return a new image object or m
and then end up saving the result in a different file.

For example, if we wanted to resize an image and save the new image with a new name, we coulc

```
from PIL import Image
im = Image("example.jpg")
new_im = im.resize((640,480))
new_im.save("example_resized.jpg")

```

In this case, we're using the resize method that returns a new image with the new size, and then v
Or, if we want to rotate an image, we can use code like this:

```
from PIL import Image
im = Image("example.jpg")
new_im = im.rotate(90)
new_im.save("example_rotated.jpg")

```

This method also returns a new image that we can then use to create the new rotated file. Becaus
object, we can even combine these operations into just one line that rotates, resizes, and saves:

```
from PIL import Image
im = Image("example.jpg")
im.rotate(180).resize((640,480)).save("flipped_and_resized.jpg")

```

There's a ton more that you can do with the PIL library. Have a look at the docs and try it on your