For this example, you need to import the `PdfFileWriter` in addition to `PdfFileReader` because you will need to write out a new PDF. `rotate_pages()` takes in the path to the PDF that you want to modify. Within that function, you will need to create a writer object that you can name `pdf_writer` and a reader object called `pdf_reader`.

Next, you can use `.GetPage()` to get the desired page. Here you grab page zero, which is the first page. Then you call the page object's `.rotateClockwise()` method and pass in 90 degrees. Then for page two, you call `.rotateCounterClockwise()` and pass it 90 degrees as well.

Note: The `PyPDF2` package only allows you to rotate a page in increments of 90 degrees. You will receive an `AssertionError` otherwise.

After each call to the rotation methods, you call `.addPage()`. This will add the rotated version of the page to the writer object. The last page that you add to the writer object is page 3 without any rotation done to it.

Finally you write out the new PDF using `.write()`. It takes a file-like object as its parameter. This new PDF will contain three pages. The first two will be rotated in opposite directions of each other and be in landscape while the third page is a normal page.

Now let's learn how you can merge multiple PDFs into one.

How to Merge PDFs

There are many situations where you will want to take two or more PDFs and merge them together into a single PDF. For example, you might have a standard cover page that needs to go on to many types of reports. You can use Python to help you do that sort of thing.

For this example, you can open up a PDF and print a page out as a separate PDF. Then do that again, but with a different page. That will give you a couple of inputs to use for example purposes.

Let's go ahead and write some code that you can use to merge PDFs together:

```
# pdf_merging.py
```

```
from PyPDF2 import PdfFileReader, PdfFileWriter

def merge_pdfs(paths, output):
    pdf_writer = PdfFileWriter()

    for path in paths:
        pdf_reader = PdfFileReader(path)
        for page in range(pdf_reader.getNumPages()):
            # Add each page to the writer object
            pdf_writer.addPage(pdf_reader.getPage(page))

    # Write out the merged PDF
    with open(output, 'wb') as out:
        pdf_writer.write(out)

if __name__ == '__main__':
    paths = ['document1.pdf', 'document2.pdf']
    merge_pdfs(paths, output='merged.pdf')
```