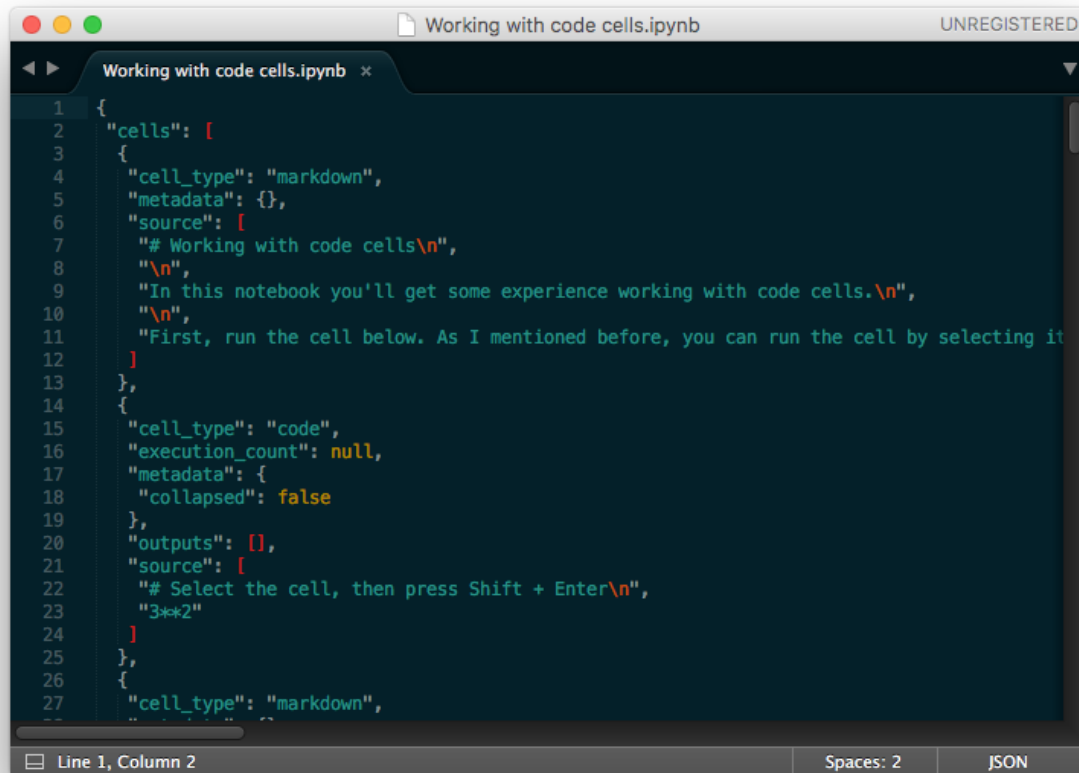


Converting Notebooks

Notebooks are just big [JSON](#) files with the extension `.ipynb`.

A screenshot of a text editor window titled "Working with code cells.ipynb" with a tab icon and a close button. The editor shows the JSON structure of a Jupyter Notebook. The JSON is a list of cells. The first cell is a markdown cell with text about working with code cells. The second cell is a code cell with a comment and a multiplication operation. The third cell is a markdown cell. The status bar at the bottom shows "Line 1, Column 2", "Spaces: 2", and "JSON".

```
1 {
2   "cells": [
3     {
4       "cell_type": "markdown",
5       "metadata": {},
6       "source": [
7         "# Working with code cells\n",
8         "\n",
9         "In this notebook you'll get some experience working with code cells.\n",
10        "\n",
11        "First, run the cell below. As I mentioned before, you can run the cell by selecting it
12      ]
13    },
14    {
15      "cell_type": "code",
16      "execution_count": null,
17      "metadata": {
18        "collapsed": false
19      },
20      "outputs": [],
21      "source": [
22        "# Select the cell, then press Shift + Enter\n",
23        "3*2
24      ]
25    },
26    {
27      "cell_type": "markdown",
```

Notebook file opened in a text editor shows JSON data

Since notebooks are JSON, it is simple to convert them to other formats. Jupyter comes with a utility called `nbconvert` for converting to HTML, Markdown, slideshows, etc. The general syntax to convert a given `mynotebook.ipynb` file to another FORMAT is:

```
jupyter nbconvert --to FORMAT mynotebook.ipynb
```

The currently supported output FORMAT could be either of the following (ignore case):

1. HTML,
2. LaTeX,
3. PDF,
4. WebPDF,
5. Reveal.js HTML slideshow,

6. Markdown,
7. Ascii,
8. reStructuredText,
9. executable script,
10. notebook.

For example, to convert a notebook to an HTML file, in your terminal use

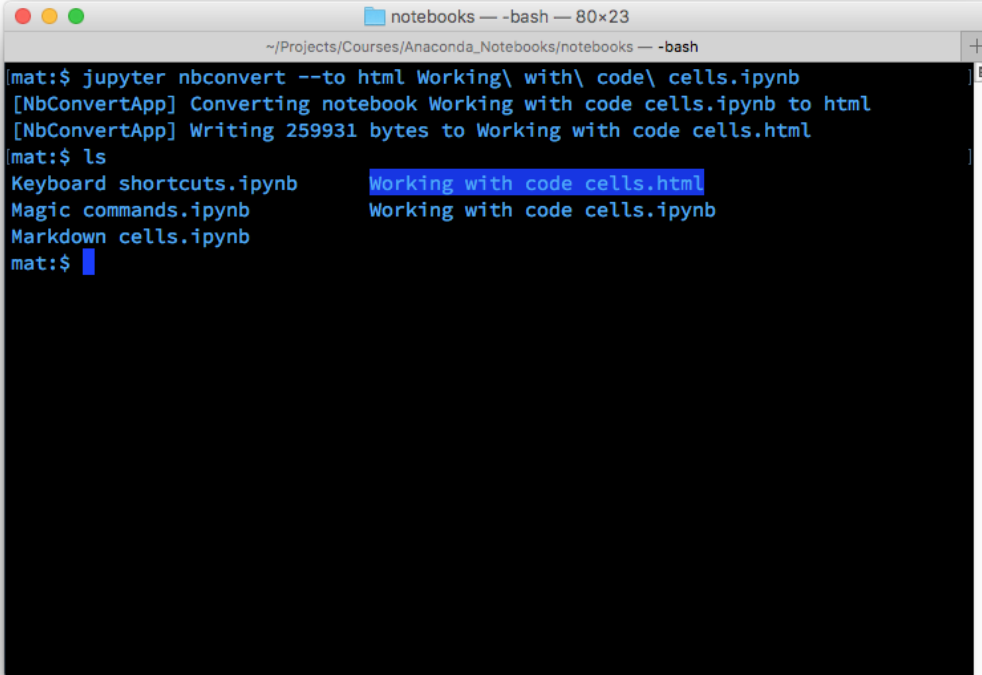
```
# Install the package below, if not already
```

```
pip install nbconvert
```

```
jupyter nbconvert --to html mynotebook.ipynb
```

Note - If you wish to install any package in conda that is **not** available in Anaconda distribution, such as the Airbase package, use `pip install airbase`, instead of `conda install airbase`.

Converting to HTML is useful for sharing your notebooks with others who aren't using notebooks. Markdown is great for including a notebook in blogs and other text editors that accept Markdown formatting.

A terminal window titled 'notebooks' with a subtitle '— bash — 80x23'. The window shows the execution of the command 'jupyter nbconvert --to html Working\ with\ code\ cells.ipynb'. The output indicates that the notebook 'Working with code cells.ipynb' is being converted to HTML and that 259931 bytes are being written to 'Working with code cells.html'. Following this, the user runs 'ls', which lists files in the directory: 'Keyboard shortcuts.ipynb', 'Magic commands.ipynb', and 'Markdown cells.ipynb'. The file 'Working with code cells.html' is also visible in the directory listing.

```
notebooks — bash — 80x23
~/Projects/Courses/Anaconda_Notebooks/notebooks — bash
[mat:$ jupyter nbconvert --to html Working\ with\ code\ cells.ipynb
[NbConvertApp] Converting notebook Working with code cells.ipynb to html
[NbConvertApp] Writing 259931 bytes to Working with code cells.html
[mat:$ ls
Keyboard shortcuts.ipynb      Working with code cells.html
Magic commands.ipynb        Working with code cells.ipynb
Markdown cells.ipynb
mat:$
```

Recommended Read

As always, learn more about nbconvert from the [documentation](#).