Python for Nuke 101

Lesson 10 || Course Notes

THE FINAL LESSON

Timecode: *00:07*

Over the past 9 weeks, we have covered a lot of ground incredibly quickly. If you have managed to keep up with each lesson, completed most of the weekly challenges, and have made it here to the end, you deserve a huge congratulations. Especially if you have never written a line of code before starting this course!

This is the point where the fun begins. I'm going to put the learning 100% in your hands going forward, as my job is now to encourage you to start creating your own tools to speed up your Compositing workflow, whilst providing support when needed.

YOUR PROJECT

Timecode: *00:46*

Perhaps the most difficult task in this entire course will be identifying inefficiencies in your own workflow, which can be solved by utilizing your new-found Python skills. **Your task for this lesson is to think up a Python-related project to create, and communicate the idea to me via Slack!**
(click here to join Slack)

Maybe there is an annoyance in the way Nuke operates that you can simplify? Or maybe you can create a tool to automate common tasks you do all the time? If you're not sure where to start, that is ok too. Reach out anyway, and I can give you a few ideas to choose from.

From the moment you communicate this idea, you will receive 30 days of support from me, to help you bring your Python creation to life! We will be breaking down your project into bite-sized challenges, and setting goals over the next 4 weeks to keep you on track.

It's important to stress that the biggest benefit in what you learn from this lesson, and the course as a whole, is going to come from doing it yourself. If I were to simply just give you the answers, that knowledge will never be solidified in your brain!

When you get stuck on a problem, there's a good chance the answer lies in one of the previous lessons in this course, or can be found by asking your assistant, *Google*, the right questions. Although when you're truly stuck, I am here to provide guidance for where to look, what questions to ask, and how to approach solving said problems.

SUPPORT via SLACK

Timecode: *02:11*

[Click here to join Slack](#).

Once you have signed up, message me, *Ben McEwan* and let me know:

- You have finished watching all 10 lesson in the course
- Your idea for your final project.

As mentioned previously, once you do this, we will discuss your project, break it down into smaller tasks and set goals to strive for in the 30 days of support you get included with this course.

Also, I'll add you to the private python-for-nuke-101 Slack channel, where you will be able to discuss & share your projects, ideas and any of the lessons with others' who have taken the course.

ADDITIONAL RESOURCES

Timecode: *03:01*

Here are some useful links to help:

- Nuke Python Developers Guide
    - Python panels

      This gets a little convoluted and confusing, but is a natural extension to what you learned in this course.
    - Knob types

      For adding knobs to nodes
    - Callbacks

      For things like addOnCreate, knobChanged, etc.

- Nuke Python API, which lists all the classes and functions in all the Python modules that come with Nuke, and which properties you can call or change on specific items.
    - **Erwan Leroy** has a great article about Understanding the API reference.

- Further reading on Python

  (non Nuke-specific)