# pyNewCode

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## Description

This python application preforms all the usual start-of-project tasks for a new project. It:

* Creates the project’s directory structure
  + Creates a project directory (if we’re not using the current directory)
    - All directories will be subdirectories off the project directory
  + Creates a configuration directory (for the project’s config files)
  + Creates a logs directory (for the project’s log files)
  + Creates a modules directory (for the project’s modules and utilities)
* Creates a Project’s base files
  + Will warn and ask if a file already exists
  + Creates the project’s main file (starup point)
  + Creates the project’s configuration.py file
  + Creates the project’s message.py output & logging file
  + Creates the project’s modules init.py dunder file
  + Creates the project’s constants.py file to contain (almost) all of the application’s constants
  + Creates the project’s YAML file
  + Creates a todo.md file for the project
    - Please follow the instructions in this file after generation

**NOTE:**

All writing is driven by the YAML configuration file – If you don’t want a particular file, you can just set that item to false.

Also, all filenames are driven by the YAML configuraiton file.

## Requirements

**Environment** - python 3.12+ - rich 13.3.5+ - yaml 0.2.5+ - All other packages are standard to python

## Syntax

pyNewCode.exe [path]  
  
 Examples:  
 pyNewCode C:\dev\MyProject  
 (will build the new project in C:\dev\myProject directory)

OR

python pyNewCode.py [path]  
  
 Examples:  
 python pyNewCode.py C:\dev\MyProject  
 (will build the new project in C:\dev\MyProject directory)

In either case, path is optional.

If not specified, the current directory will be used.

## Example Outputs

**todo.md file**

# Project Todos  
  
## YAML file todos:  
  
 - Change "author: Nobody" to your name  
 - Change "project: MyNewProject" to your project name

**project.yaml file**

author: Nobody  
directories:  
 config: config  
 logs: logs  
 modules: modules  
options:  
 logVerbose: true  
 logging: true  
 screenclear: true  
 screenpretty: true  
 screenprint: true  
project: MyNewProject  
version: 0.0.1

## Handy Newsletters

* [Awesome Python List](https://python.libhunt.com/newsletter)
* [Data Science Simplified](https://mathdatasimplified.com/)
* [Dev Tips Weekly](https://ardalis.com/tips/)
* [Postgres Weekly](https://postgresweekly.com/)
* [Programming Digest](https://programmingdigest.net/)
* [PyCoder’s Weekly](https://pycoders.com/)
* [Python Morsels](https://www.pythonmorsels.com/newsletter/)
* [Python Weekly](https://www.pythonweekly.com/)
* [Real Python](https://realpython.com/newsletter/)
* [VSCode.email](https://vscode.email/)