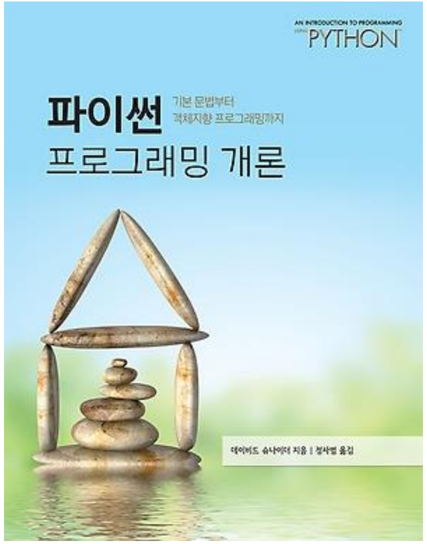
파이썬 기본 문법 학습

학습 자료

- **두 책자의 소스를 학습**
  - 파이썬으로시작하는컴퓨터과학입문
  - 파이썬프로그래밍개론
    - **(An Introduction to Programming using Python)**
- **웹**
  - Realpython.com
    - https://realpython.com/
      - **Github.com/realpython**
  - 파이썬 자습서(튜토리얼)
    - https://docs.python.org/ko/3/tutorial/index.html
  - 점프 투 파이썬
    - https://wikidocs.net/book/1
  - 파이썬 코딩 도장
    - https://dojang.io/course/view.php?id=7
  - 파이썬 생활 코딩
    - https://opentutorials.org/course/1750/9609

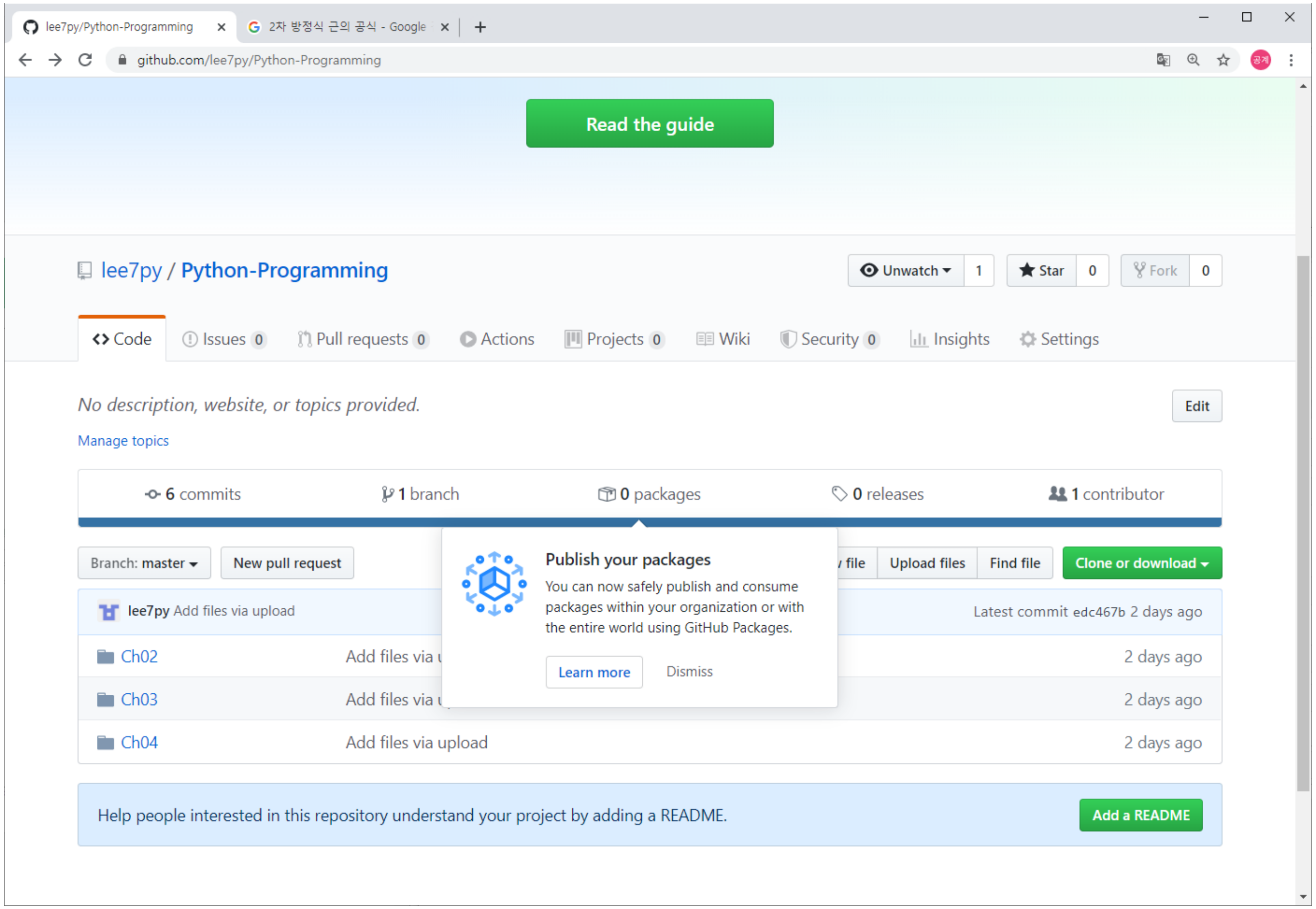

AN INTRODUCTION TO PROGRAMMING
PYTHON
파이썬 기본 문법부터 객체지향 프로그래밍까지
프로그래밍 개론

코딩 시작 전

- **Github 계정 만들기**
  - 구글이나 원드라이브 계정 만들기
- **Github 로그인**

파이썬 기본 코딩 연습

- **Github.com/lee7py**



lee7py/Python-Programming ×　2차 방정식 근의 공식 - Google ×　+

github.com/lee7py/Python-Programming

Read the guide

lee7py / **Python-Programming**

Unwatch ▾ 1　Star 0　Fork 0

<> Code　Issues 0　Pull requests 0　Actions　Projects 0　Wiki　Security 0　Insights　Settings

No description, website, or topics provided.　Edit

Manage topics

6 commits　1 branch　0 packages　0 releases　1 contributor

Branch: master ▾　New pull request　file　Upload files　Find file　Clone or download ▾

Publish your packages

You can now safely publish and consume packages within your organization or with the entire world using GitHub Packages.

Learn more　Dismiss

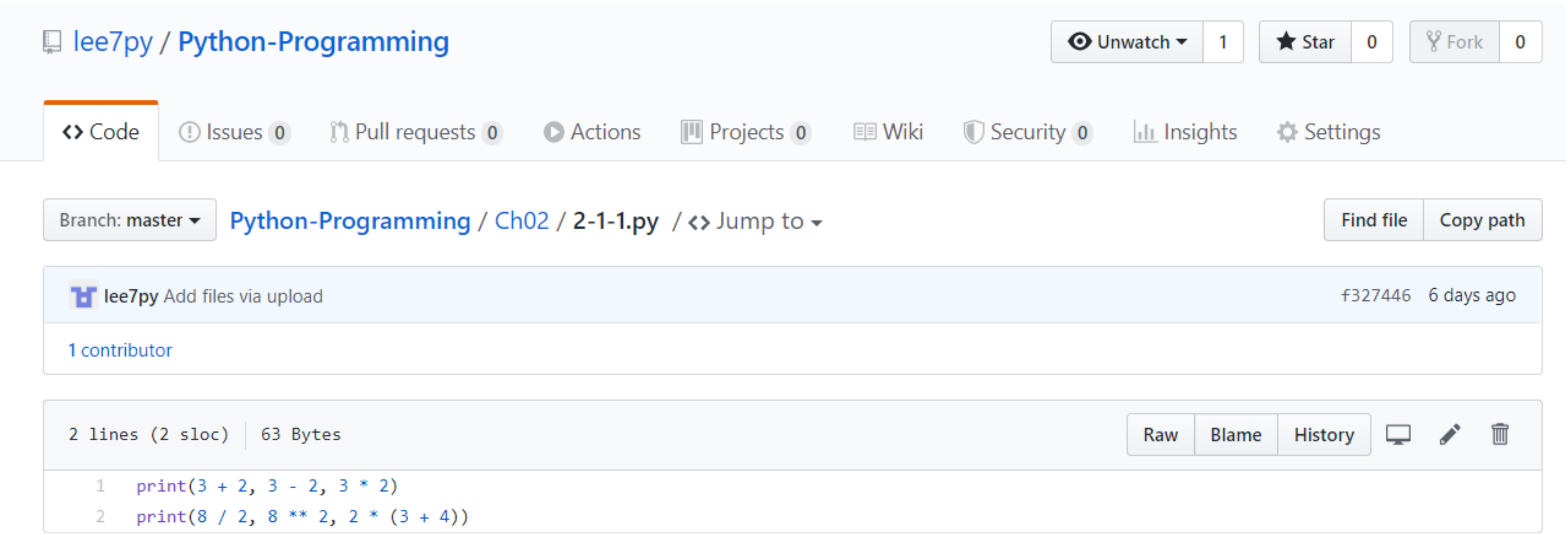
lee7py Add files via upload　Latest commit edc467b 2 days ago

Ch02	Add files via u	2 days ago
Ch03	Add files via u	2 days ago
Ch04	Add files via upload	2 days ago

Help people interested in this repository understand your project by adding a README.　Add a README

깃허브 저장소

- **Repository**
  - https://github.com/lee7py/Python-Programming/



lee7py / Python-Programming

Python-Programming / Ch02 / 2-1-1.py

lee7py Add files via upload f327446 6 days ago

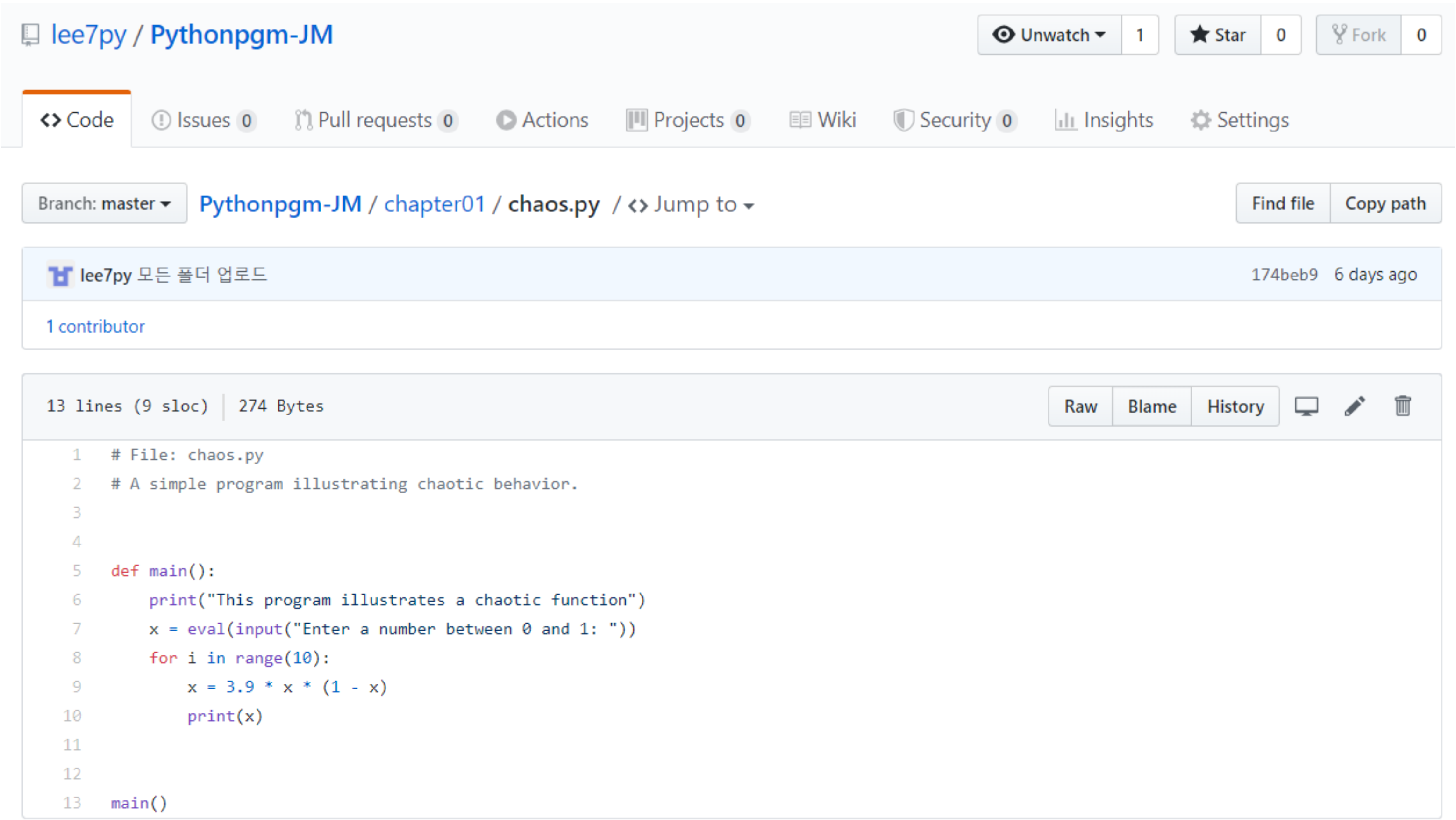
1 contributor

2 lines (2 sloc) | 63 Bytes

```python
print(3 + 2, 3 - 2, 3 * 2)
print(8 / 2, 8 ** 2, 2 * (3 + 4))
```

깃허브 저장소

- **Repository**
  - https://github.com/lee7py/Pythonpgm-JM



lee7py 모든 폴더 업로드 174beb9 6 days ago

13 lines (9 sloc) | 274 Bytes

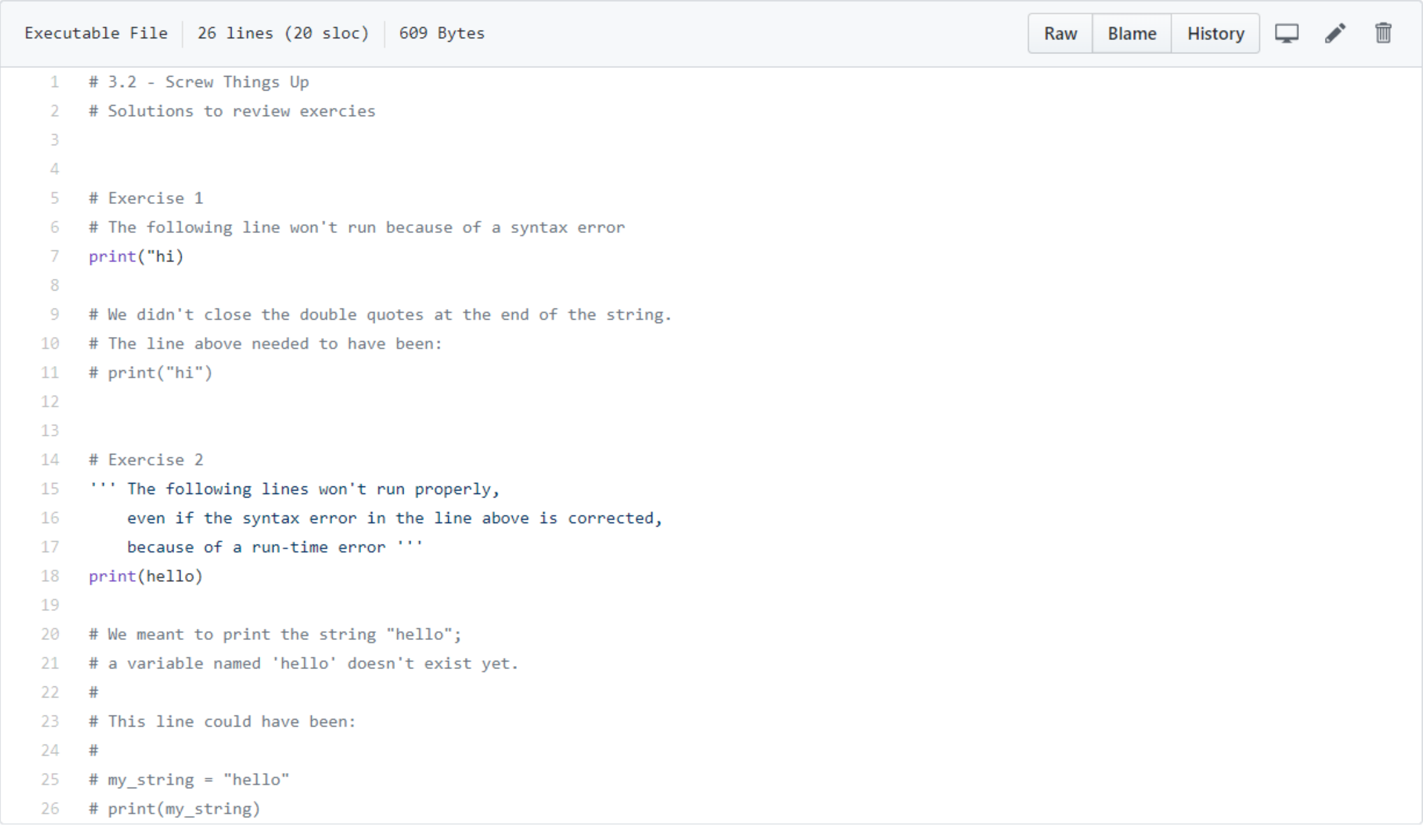
```python
# File: chaos.py
# A simple program illustrating chaotic behavior.


def main():
    print("This program illustrates a chaotic function")
    x = eval(input("Enter a number between 0 and 1: "))
    for i in range(10):
        x = 3.9 * x * (1 - x)
        print(x)


main()
```

Realpython.com

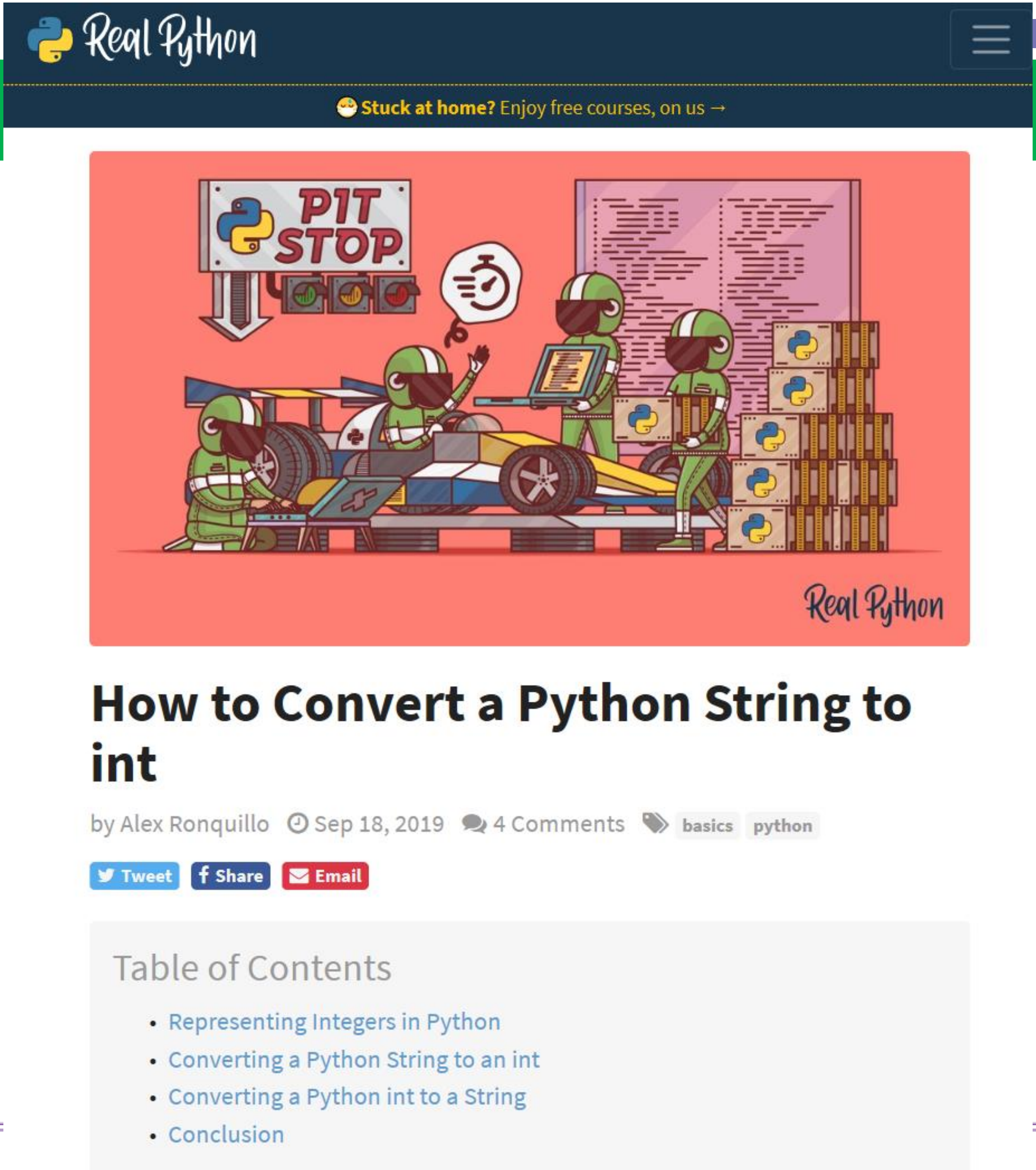
- 기본 자료형
  - https://realpython.com/python-data-types/
- 문자열 형태의 정수를 정수 자료형으로 변환
  - https://realpython.com/convert-python-string-to-int/
- 리스트와 튜플
  - https://realpython.com/python-lists-tuples/
  - https://realpython.com/courses/lists-tuples-python/
- 문자열
  - https://realpython.com/python-strings/

Realpython basic python 연습

- **책 연습**
  - https://github.com/realpython/python-basics-exercises



```python
# 3.2 - Screw Things Up
# Solutions to review exercies


# Exercise 1
# The following line won't run because of a syntax error
print("hi)

# We didn't close the double quotes at the end of the string.
# The line above needed to have been:
# print("hi")


# Exercise 2
''' The following lines won't run properly,
    even if the syntax error in the line above is corrected,
    because of a run-time error '''
print(hello)

# We meant to print the string "hello";
# a variable named 'hello' doesn't exist yet.
#
# This line could have been:
#
# my_string = "hello"
# print(my_string)
```



Stuck at home? Enjoy free courses, on us →

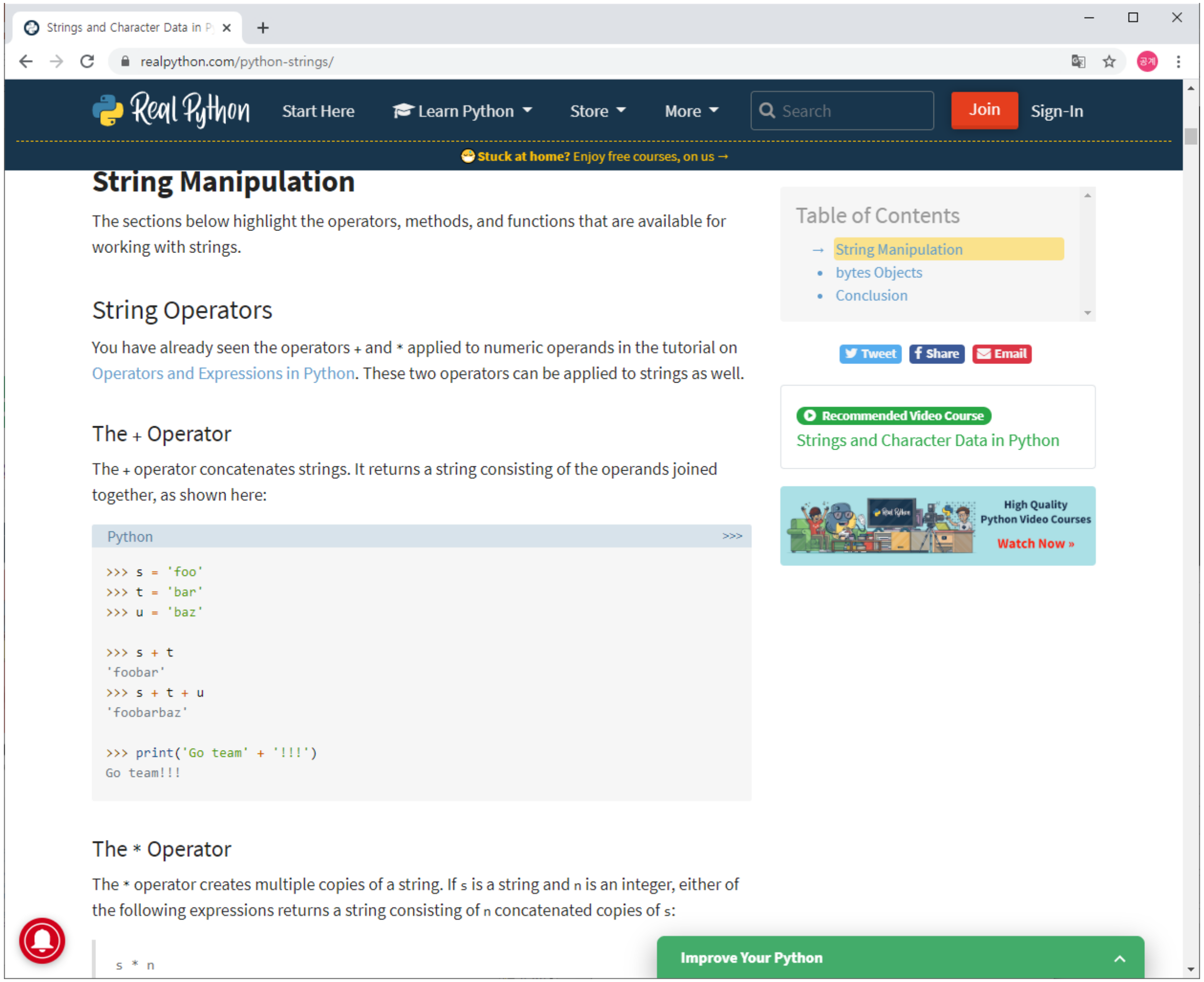
How to Convert a Python String to int

by Alex Ronquillo · Sep 18, 2019 · 4 Comments · basics · python

Table of Contents

https://realpython.com/python-strings/

- 검색 realpython string



String Manipulation

The sections below highlight the operators, methods, and functions that are available for working with strings.

String Operators

You have already seen the operators + and * applied to numeric operands in the tutorial on Operators and Expressions in Python. These two operators can be applied to strings as well.

The + Operator

The + operator concatenates strings. It returns a string consisting of the operands joined together, as shown here:

Python >>>

```
>>> s = 'foo'
>>> t = 'bar'
>>> u = 'baz'

>>> s + t
'foobar'
>>> s + t + u
'foobarbaz'

>>> print('Go team' + '!!!')
Go team!!!
```

The * Operator

The * operator creates multiple copies of a string. If s is a string and n is an integer, either of the following expressions returns a string consisting of n concatenated copies of s:

```
s * n
```