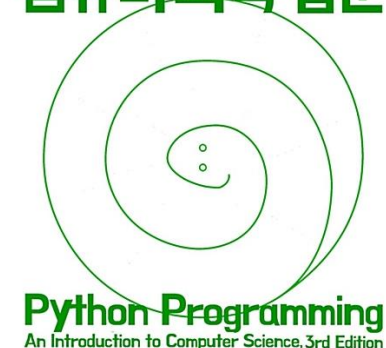


파이썬 문법 학습

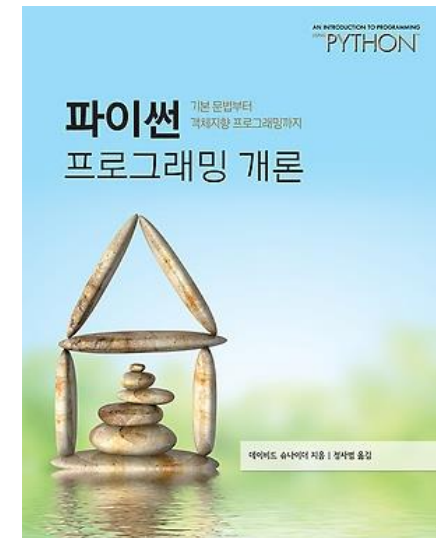
학습 자료

- 두 책자의 소스를 학습
 - 파이썬으로 시작하는 컴퓨터 과학 입문
 - 파이썬 프로그래밍 개론
 - (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>

파이썬으로 시작하는 컴퓨터 과학 입문



프로그래밍인사이드






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>

```
Executable File | 26 lines (20 sloc) | 609 Bytes | Raw | Blame | History |   
```

```
1 # 3.2 - Screw Things Up
2 # Solutions to review exercises
3
4
5 # Exercise 1
6 # The following line won't run because of a syntax error
7 print("hi)
8
9 # We didn't close the double quotes at the end of the string.
10 # The line above needed to have been:
11 # print("hi")
12
13
14 # Exercise 2
15 ''' The following lines won't run properly,
16     even if the syntax error in the line above is corrected,
17     because of a run-time error '''
18 print(hello)
19
20 # We meant to print the string "hello";
21 # a variable named 'hello' doesn't exist yet.
22 #
23 # This line could have been:
24 #
25 # my_string = "hello"
26 # print(my_string)
```



How to Convert a Python String to int

by Alex Ronquillo ⌚ Sep 18, 2019 💬 4 Comments 🏷️ basics python

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Table of Contents

- Representing Integers in Python
- Converting a Python String to an int
- Converting a Python int to a String
- Conclusion

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

- 검색 realpython string

The screenshot shows the Real Python website's 'String Manipulation' page. The page has a dark blue header with the Real Python logo, navigation links (Start Here, Learn Python, Store, More), a search bar, and 'Join' and 'Sign-In' buttons. Below the header, a yellow banner reads 'Stuck at home? Enjoy free courses, on us →'. The main content area is titled 'String Manipulation' and includes an introductory paragraph, a section on 'String Operators', and a subsection on 'The + Operator' which explains string concatenation and includes a Python code block. The code block shows the following:

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

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

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

Below the code block, the 'The * Operator' section is partially visible, explaining that it creates multiple copies of a string. On the right side of the page, there is a 'Table of Contents' sidebar with links to 'String Manipulation', 'bytes Objects', and 'Conclusion'. Below this are social media sharing buttons (Tweet, Share, Email) and a 'Recommended Video Course' section for 'Strings and Character Data in Python'. At the bottom right, there is a 'Watch Now' button for 'High Quality Python Video Courses'. A green banner at the very bottom of the page says 'Improve Your Python'.

https://realpython.com/python-lists-tuples/

- 검색 realpython list

The screenshot shows the Real Python website with the article 'Python Lists and Tuples'. The page features a dark blue header with the Real Python logo, navigation links (Start Here, Learn Python, Store, More), a search bar, and 'Join' and 'Sign-In' buttons. A banner below the header says 'Stuck at home? Enjoy free courses, on us →'. The main content area has a 'Python Lists' section with a definition: 'In short, a list is a collection of arbitrary objects, somewhat akin to an array in many other programming languages but more flexible. Lists are defined in Python by enclosing a comma-separated sequence of objects in square brackets ([]), as shown below:'. A code block shows a Python list:

```
>>> a = ['foo', 'bar', 'baz', 'qux']
>>> print(a)
['foo', 'bar', 'baz', 'qux']
>>> a
['foo', 'bar', 'baz', 'qux']
```

. To the right is a 'Table of Contents' with links to 'Python Lists', 'Python Tuples', and 'Conclusion'. Below that are social media share buttons (Tweet, Share, Email) and a 'Recommended Video Course' section for 'Lists and Tuples in Python'. A 'Watch Now' button is also present. The article continues with 'The important characteristics of Python lists are as follows:' followed by a bulleted list: 'Lists are ordered.', 'Lists can contain any arbitrary objects.', 'List elements can be accessed by index.', 'Lists can be nested to arbitrary depth.', 'Lists are mutable.', and 'Lists are dynamic.'. It then says 'Each of these features is examined in more detail below.' and has a section 'Lists Are Ordered' which starts with 'A list is not merely a collection of objects. It is an ordered collection of objects. The order in which you specify the elements when you define a list is an innate characteristic'. A green 'Improve Your Python' button is at the bottom right.

Python Lists

In short, a list is a collection of arbitrary objects, somewhat akin to an array in many other programming languages but more flexible. Lists are defined in Python by enclosing a comma-separated sequence of objects in square brackets ([]), as shown below:

```
Python
>>> a = ['foo', 'bar', 'baz', 'qux']
>>> print(a)
['foo', 'bar', 'baz', 'qux']
>>> a
['foo', 'bar', 'baz', 'qux']
```

The important characteristics of Python lists are as follows:

- Lists are ordered.
- Lists can contain any arbitrary objects.
- List elements can be accessed by index.
- Lists can be nested to arbitrary depth.
- Lists are mutable.
- Lists are dynamic.

Each of these features is examined in more detail below.

Lists Are Ordered

A list is not merely a collection of objects. It is an ordered collection of objects. The order in which you specify the elements when you define a list is an innate characteristic

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Lists and Tuples in Python

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Improve Your Python

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

- 검색 realpython dict

The screenshot shows the Real Python website with the article 'Dictionaries in Python' by John Sturtz. The page features a navigation bar with links like 'Start Here', 'Learn Python', 'Store', and 'More'. A search bar and 'Join'/'Sign-In' buttons are also present. The main content area includes a large illustration of a robot and a person shaking hands, followed by the article title and author. A 'Table of Contents' section lists topics like 'Defining a Dictionary' and 'Accessing Dictionary Values'. On the right, there's a 'FREE Email Series' for 'Python Tricks' with a code snippet and a 'Get Python Tricks' button. At the bottom, there's a section for 'All Tutorial Topics' with various tags like 'advanced', 'api', 'basics', etc.

Real Python

Dictionaries in Python

by John Sturtz 21 Comments basics python

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Table of Contents

- Defining a Dictionary
- Accessing Dictionary Values
- Dictionary Keys vs. List Indices
- Building a Dictionary Incrementally
- Restrictions on Dictionary Keys
- Restrictions on Dictionary Values
- Operators and Built-in Functions
- Built-in Dictionary Methods

— FREE Email Series —

Python Tricks

```
1# How to merge two dicts
2# in Python 3.5+
3
4>>> x = {'a': 1, 'b': 2}
5>>> y = {'b': 3, 'c': 4}
6
7>>> z = {**x, **y}
8
9>>> z
10{'c': 4, 'a': 1, 'b': 3}
```

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testing tools web-dev web-scraping

Enhance Python with Redis

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https://srv.realpython.net/click/23076429117/?c=52901525492&p=58946116052&r=33409