

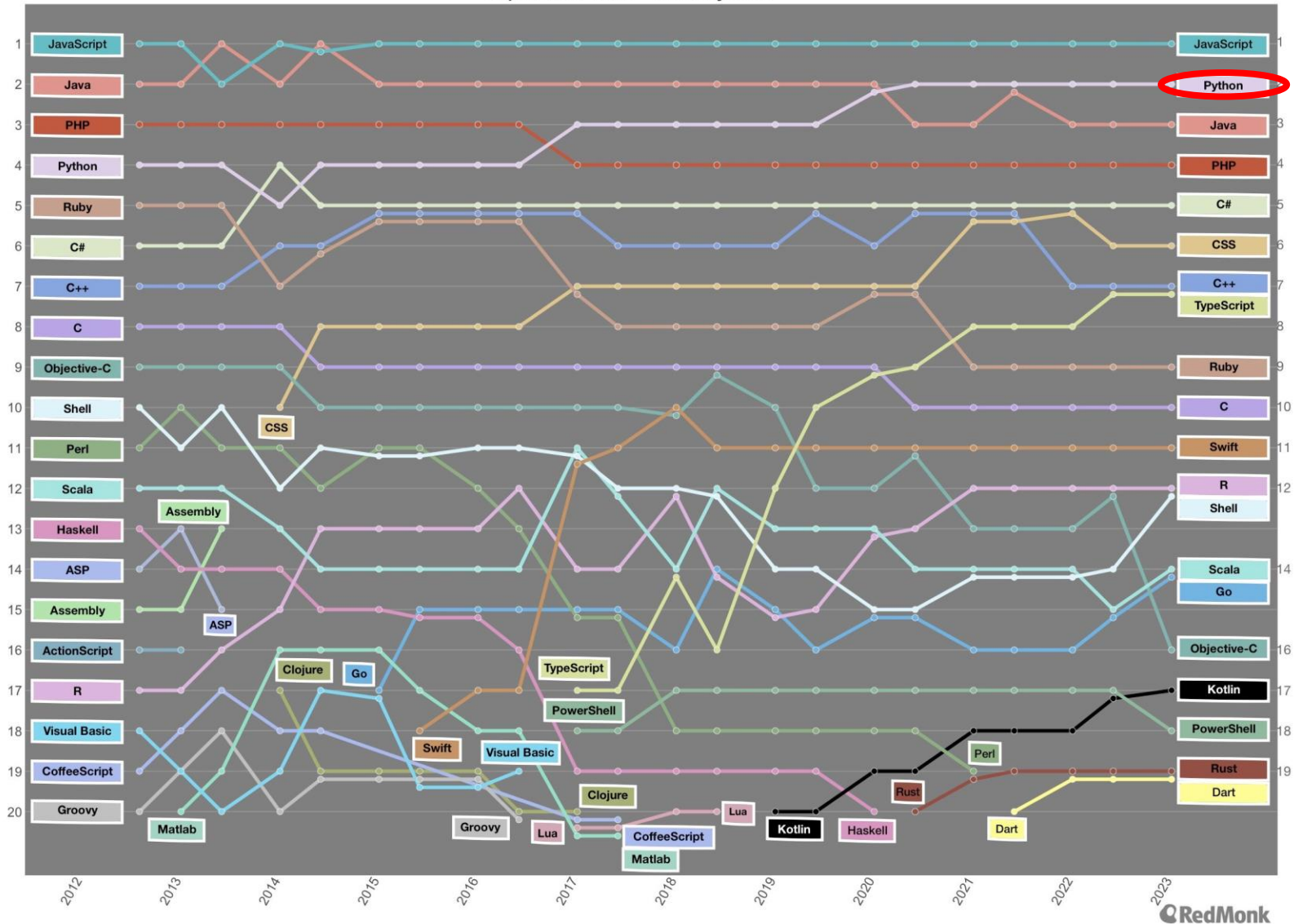
파이썬 개요

인공지능 플랫폼 설계 - 1주차

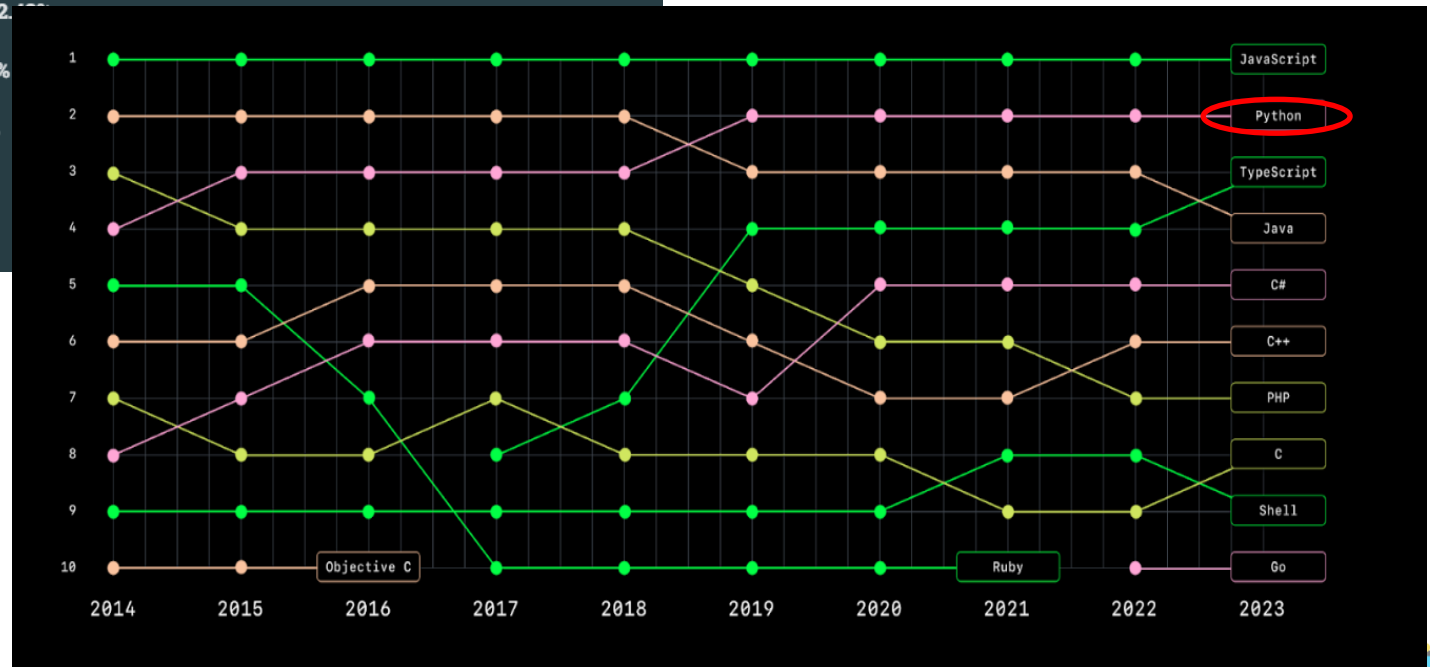
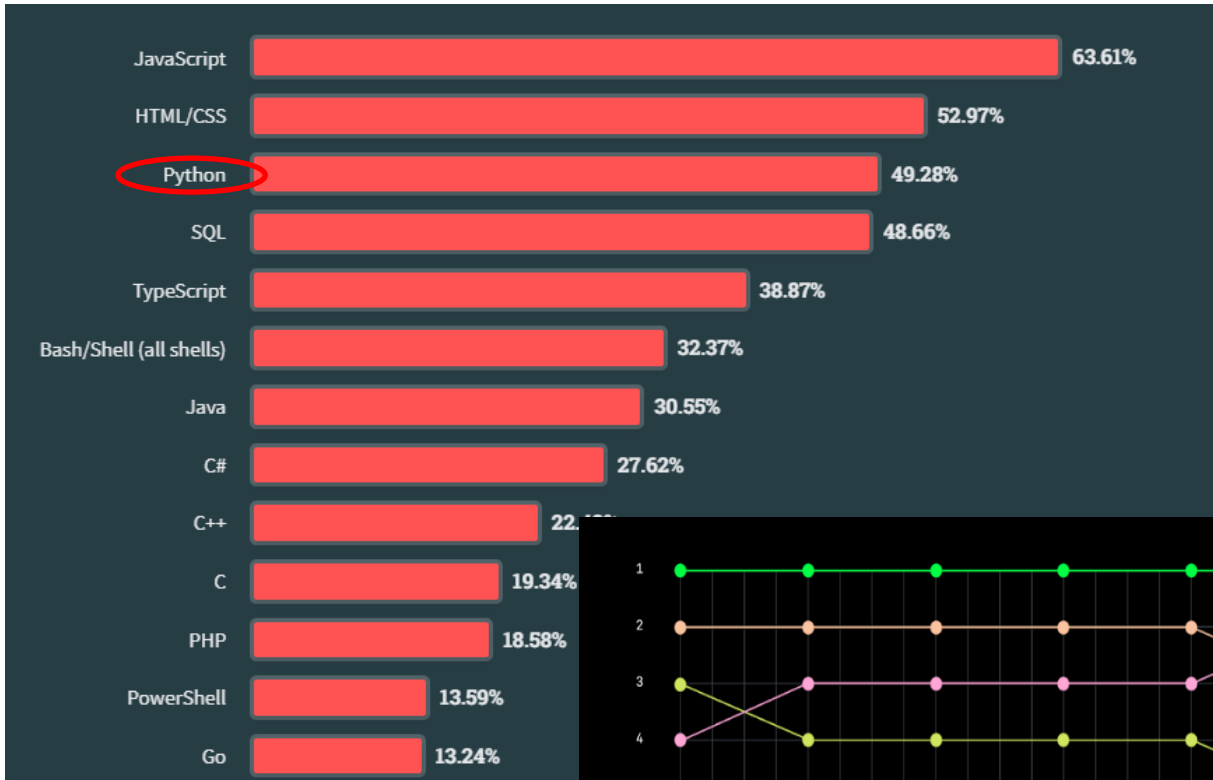
Python 프로그래밍

RedMonk Language Rankings

September 2012 - January 2023



_파이썬



_기본 셋팅

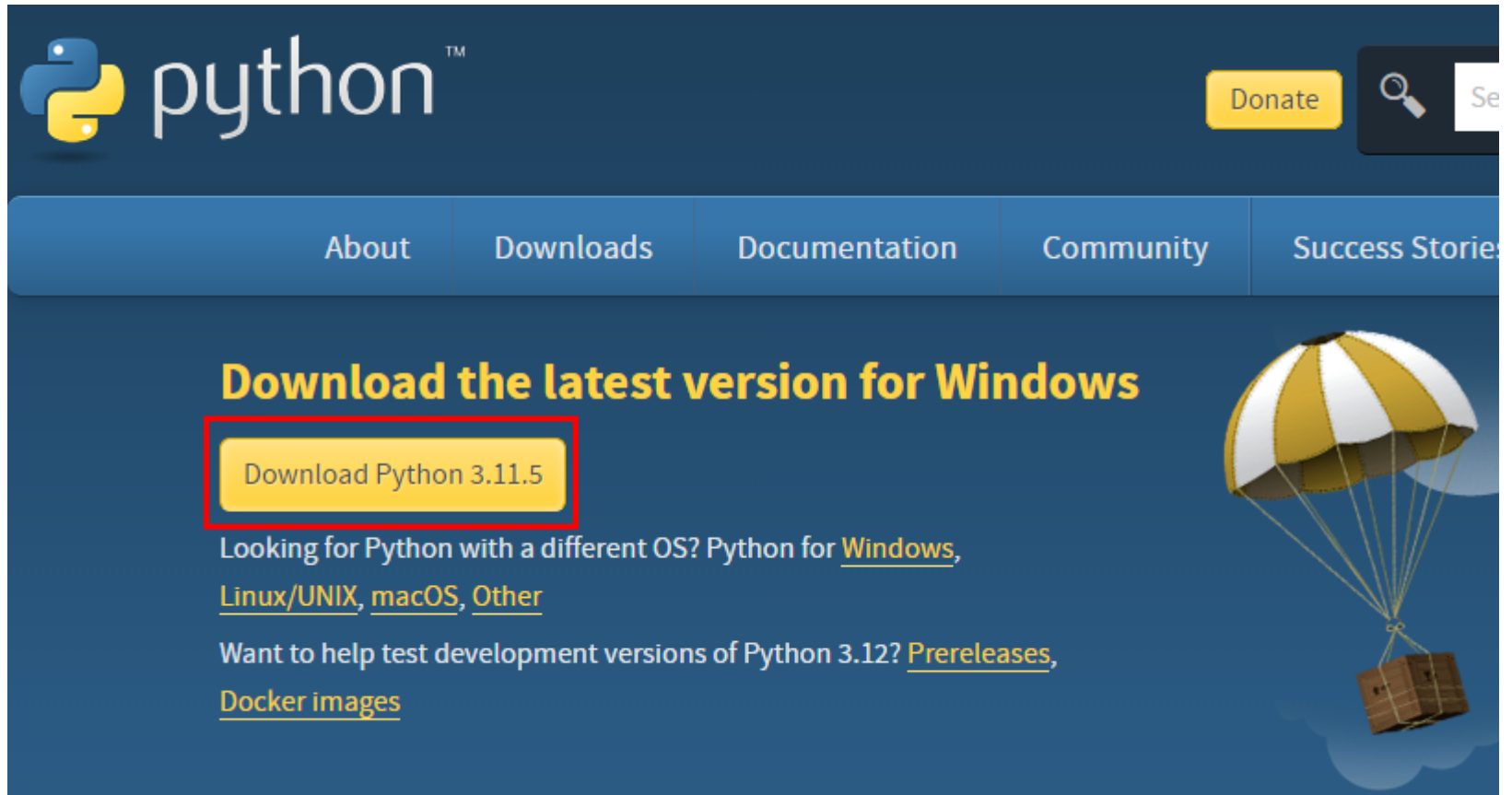
파이썬 설치하기(세 가지 소프트웨어를 설치해야 함)

1. 파이썬 컴파일러
2. 통합 개발 환경(IDE, integrated development environment)
3. 모듈(라이브러리) - 옵션



_도구 설치

<https://www.python.org/downloads/>



_도구 설치

<https://code.visualstudio.com>

The image shows the Visual Studio Code website on the left and the VS Code application interface on the right.

Visual Studio Code Website:

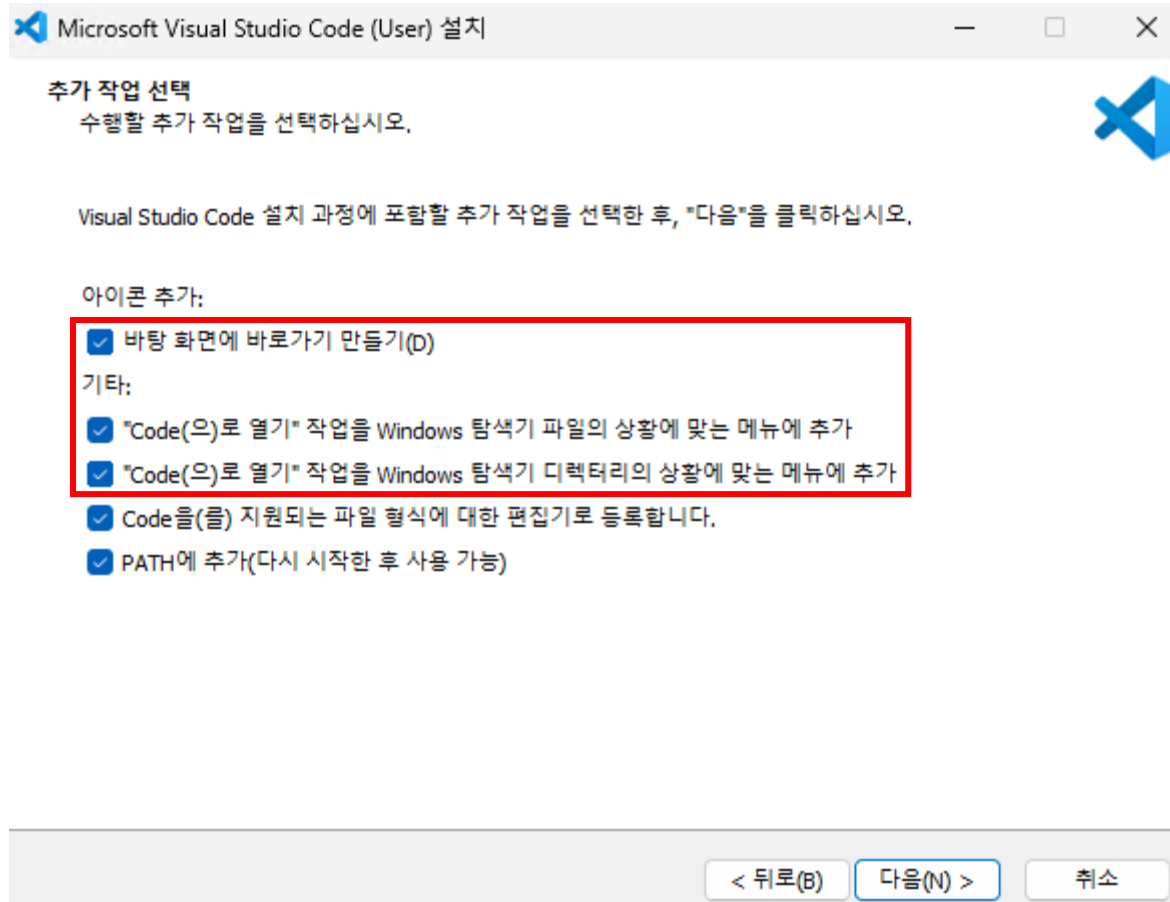
- Header: Code editing. Redefined.
- Text: free. Built on open source. Runs everywhere.
- Download button: **Download for Windows** (Stable Build) with a dropdown arrow.
- Text: Web, Insiders edition, or other platforms
- Text: By using VS Code, you agree to its license and privacy statement.

Visual Studio Code Application Interface:

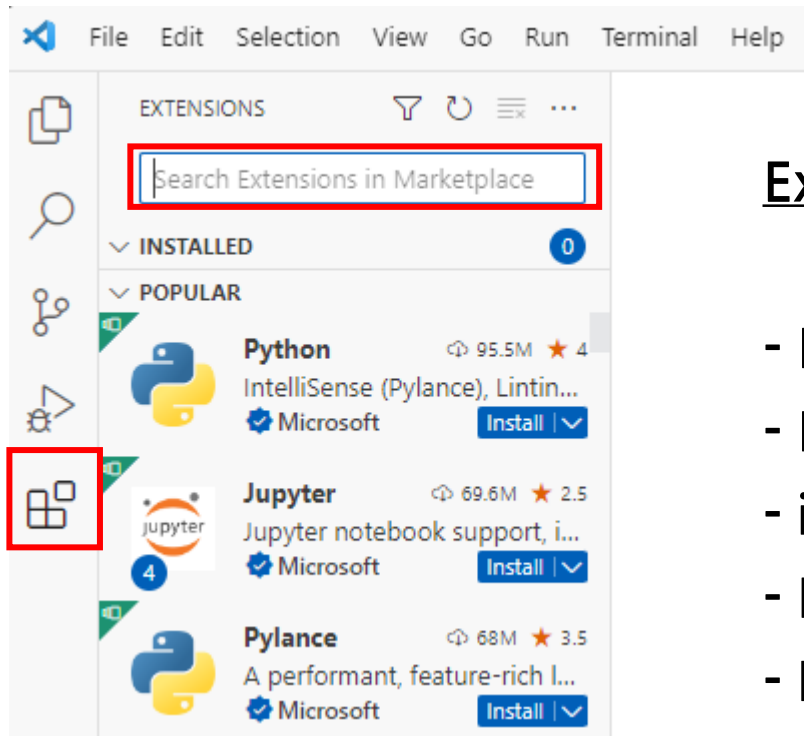
- File Explorer: Shows the file structure of a project named 'serviceWorkerjs'.
- Source Control Explorer: Shows the status of files.
- Run and Debug Explorer: Shows the status of the application.
- Output Console: Displays the output of the application, including the URL 'http://localhost:3000/'.
- Terminal: Shows the command 'node' being executed.
- Code Editor: Displays the source code for 'serviceWorker.js'.



_도구 설치



_도구 설치

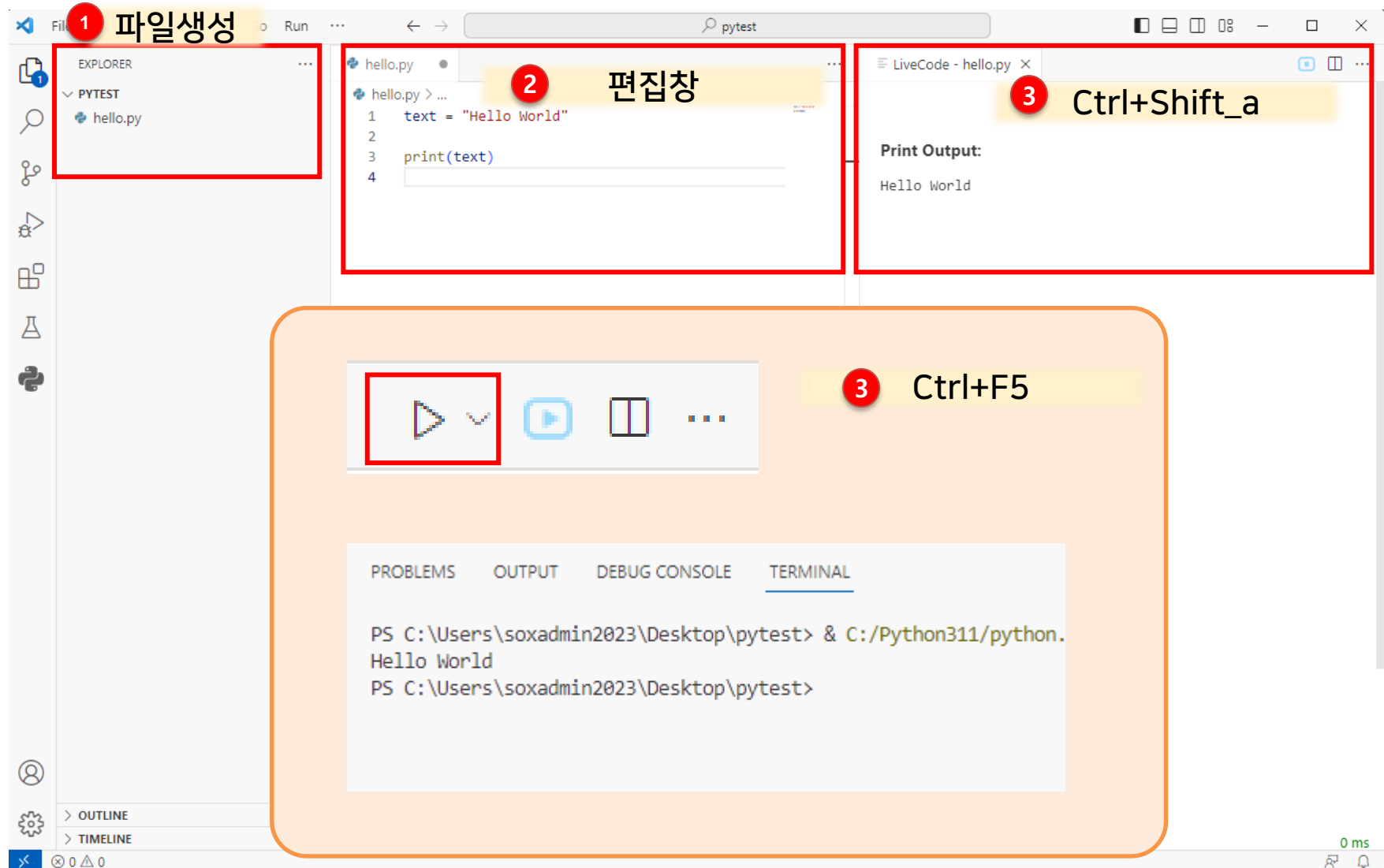


Extension 설치

- Python
- Python Extension Pack
- indent-rainbow
- LiveCode for python
- Korean Language Pack for Visual Studio



_기본 실습 방법



_실습 1

```
text = "Hello World"
```

```
print(text)
```



_실습 1

파이썬 코드로 자기 소개 출력하기

1. 이름
2. 학번 및 학년
3. 취미
4. 희망하는 진로



IT 플랫폼 실습

_가상환경 설치 (VirtualBox)

VirtualBox 다운로드

<https://www.virtualbox.org/wiki/Downloads>

Download VirtualBox

Here you will find links to VirtualBox binaries and its source code.

VirtualBox binaries

By downloading, you agree to the terms and conditions of the respective license.

VirtualBox 7.0.14 platform packages

- [Windows hosts](#)
- [macOS / Intel hosts](#)
- [Linux distributions](#)
- [Solaris hosts](#)
- [Solaris 11 IPS hosts](#)

The binaries are released under the terms of the GPL version 3.

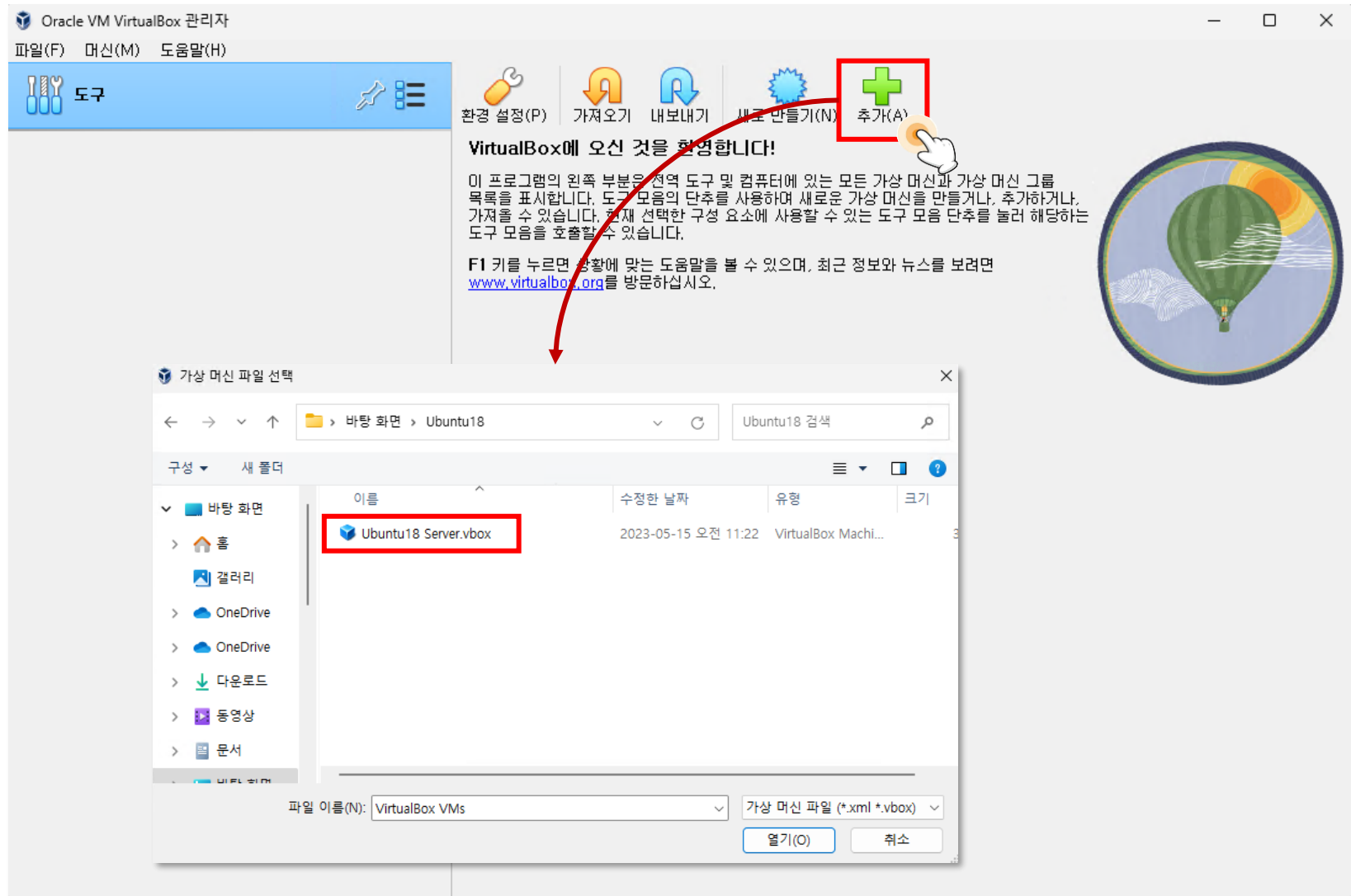
See the [changelog](#) for what has changed.

You might want to compare the checksums to verify the integrity of downloaded packages. *The SHA256 checksums should be favored as the MD5 algorithm must be treated as insecure!*

- [SHA256 checksums, MD5 checksums](#)



_Ubuntu 설치



_Ubuntu 실행

