



# AI for Future Workforce

**Installation Guide:  
OpenVINO for Windows**

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- Intel은 타사 데이터를 제어하거나 감사하지 않습니다. 정확성을 평가하려면 다른 출처를 참조해야 합니다.
- 당신이 투자한 비용과 그에 대한 결과물은 다를 수 있습니다.

# Agenda

1. OpenVINO 설치 프로그램 다운로드
2. OpenVINO 설치 Part 1
3. 사전 설치 프로그램
  - CMake 3.22.3
  - Visual Studio 2019
4. OpenVINO 설치 Part 2
5. OpenVINO 설치 테스트

# OpenVINO 설치프로그램 다운로드

AI for Future Workforce

intel digital  
readiness

# OpenVINO 설치 프로그램 다운로드

“download OpenVINO for windows” 검색

About 84,800 results (0.44 seconds)

[Install Intel® Distribution of OpenVINO™ toolkit for Windows\\* 10](https://docs.openvinotoolkit.org/latest/openvino_docs_install_guides_installing_openvino_windows.html)

OpenVINO™ toolkit is a comprehensive toolkit for quickly developing applications and solutions that solve a variety of tasks including emulation of human vision, ...

You've visited this page 2 times. Last visit: 5/4/21

[Download Intel® Distribution of OpenVINO™ Toolkit](https://software.intel.com/www/develop/tools/dow...)

Download a version of the Intel® Distribution of OpenVINO™ toolkit for Linux, Windows, or macOS.

People also ask

How do I install OpenVINO on Windows?

How do I install OpenVINO?

Is OpenVINO open source?

How does OpenVINO work?

Feedback

이 링크 선택:  
[https://docs.openvinotoolkit.org/latest/openvino\\_docs\\_install\\_guides\\_installing\\_openvino\\_windows.html](https://docs.openvinotoolkit.org/latest/openvino_docs_install_guides_installing_openvino_windows.html)

# OpenVINO 설치 프로그램 다운로드

"Latest"가 표시된 드롭다운 상자를 클릭합니다.

Install and Configure Intel® Distribution of OpenVINO™ toolkit for Windows\* 10

## Introduction

By default, the [OpenVINO™ Toolkit](#) installation on this page installs the following components:

| Component                        | Description   |
|----------------------------------|---|
| <a href="#">Model Optimizer</a>  | This tool imports, converts, and optimizes models that were trained in popular frameworks to a format usable by Intel tools, especially the Inference Engine. Popular frameworks include Caffe*, TensorFlow*, MXNet*, ONNX* and Kaldi*. |
| <a href="#">Inference Engine</a> | This is the engine that runs the deep learning model. It includes a set of libraries for an easy inference integration into your applications.  |

latest    English

latest    nightly    2021.4    2021.3    2021.2

Software Dependencies  
Step 2: Install the Intel® Distribution of OpenVINO™ toolkit Core Components  
Step 3: Configure the Environment  
Step 4: Configure the Model Optimizer  
Step 5 (Optional): Configure Inference on non-CPU Devices:  
Optional: Update Your Windows Environment Variables  
Step 6: Start Using the Toolkit  
Uninstall the Intel® Distribution of OpenVINO™ Toolkit  
Additional Resources

# OpenVINO 설치 프로그램 다운로드

Version 2021.2로 콘텐츠가  
개발되었기 때문에 이 버전을  
사 사용합니다.

“Version 2021.2” 선택.  
for Windows™ 10

Install Intel® Distribution of OpenVINO™ toolkit for Windows\* 10

[DEPRECATED] Install Intel® Distribution of OpenVINO™ toolkit for Windows\* with FPGA support

macOS

Raspbian OS

Install From Images and Repositories

Docker

Docker with DL Workbench

APT

YUM

Anaconda Cloud

Yocto

PyPI

RESOURCES 中文文件 Q

Version 2021.2 Download Docs Install OpenVINO™

mentation available: <https://docs.openvinotoolkit.org/nightly/index.html>

## OpenVINO™ toolkit

**NOTES:**

- This guide applies to Microsoft Windows\* 10 64-bit. For Linux\* OS information and instructions, see the [Installation Guide for Linux](#).
- Intel® System Studio** is an all-in-one, cross-platform tool suite, purpose-built to simplify system bring-up and improve system and IoT device application performance on Intel® platforms. If you are using the Intel® Distribution of OpenVINO™ with Intel® System Studio, go to [Get Started with Intel® System Studio](#).

**IMPORTANT:**

- All steps in this guide are required, unless otherwise stated.
- In addition to the download package, you must install dependencies and complete configuration steps.

In This Document

- Introduction
- About the Intel® Distribution of OpenVINO™ toolkit
- System Requirements
- Installation Steps
  - Install the Intel® Distribution of OpenVINO™ toolkit Core Components
  - Set the Environment Variables
- Configure the Model Optimizer
  - Model Optimizer
  - Configuration Steps
- Optional Steps
  - Optional: Additional Installation Steps for Intel® Processor Graphics (GPU)
  - Optional: Additional Installation Steps for the Intel® Vision Accelerator Design with Intel® Movidius™ VPUs
  - Optional: Update Your Windows Environment Variables

# OpenVINO 설치 프로그램 다운로드

version 2021.2가 사용되고  
있는지 확인하십시오.

You are using documentation for older OpenVINO™ releases. Please check the latest documentation available: [https://docs.openvino\\_toolkit.org/nightly/index.html](https://docs.openvino_toolkit.org/nightly/index.html)

In This Document

- Introduction
- About the Intel® Distribution of OpenVINO™ toolkit
- System Requirements
- Installation Steps
  - Install the Intel® Distribution of OpenVINO™ toolkit Core Components
  - Set the Environment Variables
- Configure the Model Optimizer
  - Model Optimizer Configuration Steps
- Optional Steps
  - Optional: Additional Installation Steps for Intel® Processor Graphics (GPU)
  - Optional: Additional Installation Steps for the Intel® Vision Accelerator Design with Intel® Movidius™ VPUs
  - Optional: Update Your Windows Environment Variables

Install Intel® Distribution of OpenVINO™ toolkit for Windows\* 10

**NOTES:**

- This guide applies to Microsoft Windows\* 10 64-bit. For Linux\* OS information and instructions, see the [Installation Guide for Linux](#).
- Intel® System Studio is an all-in-one, cross-platform tool suite, purpose-built to simplify system bring-up and improve system and IoT device application performance on Intel® platforms. If you are using the Intel® Distribution of OpenVINO™ with Intel® System Studio, go to [Get Started with Intel® System Studio](#).

**Introduction**

**IMPORTANT:**

- All steps in this guide are required, unless otherwise stated.
- In addition to the download package, you must install dependencies and complete configuration steps.

Your installation is complete when these are all completed:

Version 2021.2

Download Docs

Install OpenVINO™

Windows

- Install Intel® Distribution of OpenVINO™ toolkit for Windows\* 10
- [DEPRECATED] Install Intel® Distribution of OpenVINO™ toolkit for Windows\* with FPGA support

macOS

Raspbian OS

Install From Images and Repositories

- Docker
  - Docker with DL Workbench
- APT
- YUM
- Anaconda Cloud
- Yocto
- PyPI
- Build from Source

# OpenVINO 설치 프로그램 다운로드

The screenshot shows a web browser displaying the OpenVINO documentation for installing the toolkit on Windows 10. A large green callout box with the text "클릭 'Install OpenVINO'" (Click 'Install OpenVINO') points to the "Install OpenVINO™" button in the top right corner of the page. The page title is "Install Intel® Distribution of OpenVINO™ toolkit for Windows\* 10". The left sidebar lists installation options for Windows, macOS, and Raspbian OS, along with "Install From Images and Repositories" for Docker, APT, YUM, Anaconda Cloud, Yocto, PyPI, and Build from Source. The main content area includes sections for "NOTES", "Introduction", and "IMPORTANT" steps, followed by a completion message: "Your installation is complete when these are all completed:". The right sidebar contains links to various documentation sections like Introduction, System Requirements, Installation Steps, and Optional Steps.

docs.openvino.ai/2021.2/openvino\_docs\_install\_guides/installing\_openvino\_windows.html

**OpenVINO™ Documentation**

GET STARTED DOCUMENTATION RESOURCES 中文文件

You are using documentation for older OpenVINO™ releases. Please check the latest documentation at docs.openvino.ai/nightly/index.html

클릭 “Install OpenVINO”

In This Document

- Introduction
- About the Intel® Distribution of OpenVINO™ toolkit
- System Requirements
- Installation Steps
  - Install the Intel® Distribution of OpenVINO™ toolkit Core Components
  - Set the Environment Variables
  - Configure the Model Optimizer
    - Model Optimizer Configuration Steps
  - Optional Steps
    - Optional: Additional Installation Steps for Intel® Processor Graphics (GPU)
    - Optional: Additional Installation Steps for the Intel® Vision Accelerator Design with Intel® Movidius™ VPUs
    - Optional: Update Your Windows Environment Variables
- Get Started

Install Intel® Distribution of OpenVINO™ toolkit for Windows\* 10

**NOTES:**

- This guide applies to Microsoft Windows\* 10 64-bit. For Linux\* OS information and instructions, see the [Installation Guide for Linux](#).
- Intel® System Studio is an all-in-one, cross-platform tool suite, purpose-built to simplify system bring-up and improve system and IoT device application performance on Intel® platforms. If you are using the Intel® Distribution of OpenVINO™ with Intel® System Studio, go to [Get Started with Intel® System Studio](#).

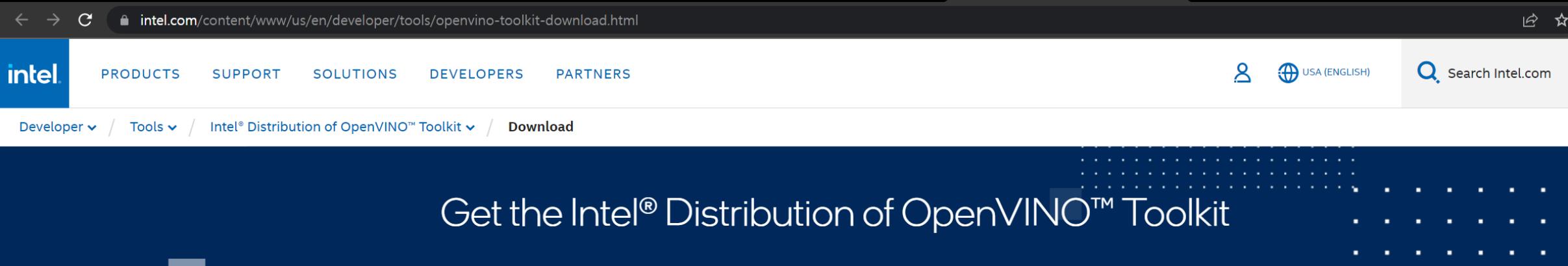
**Introduction**

**IMPORTANT:**

- All steps in this guide are required, unless otherwise stated.
- In addition to the download package, you must install dependencies and complete configuration steps.

Your installation is complete when these are all completed:

# OpenVINO 설치 프로그램 다운로드



The screenshot shows the Intel website for OpenVINO Toolkit download. The URL in the address bar is [intel.com/content/www/us/en/developer/tools/openvino-toolkit-download.html](https://intel.com/content/www/us/en/developer/tools/openvino-toolkit-download.html). The page title is "Get the Intel® Distribution of OpenVINO™ Toolkit". Below the title, there's a section titled "Select options below to download" with a dropdown menu labeled "Operating System: Select operating system Select here". A large green arrow points from the text "클릭 "Select operating system"" to the "Select here" button in the dropdown menu.

Select options below to download

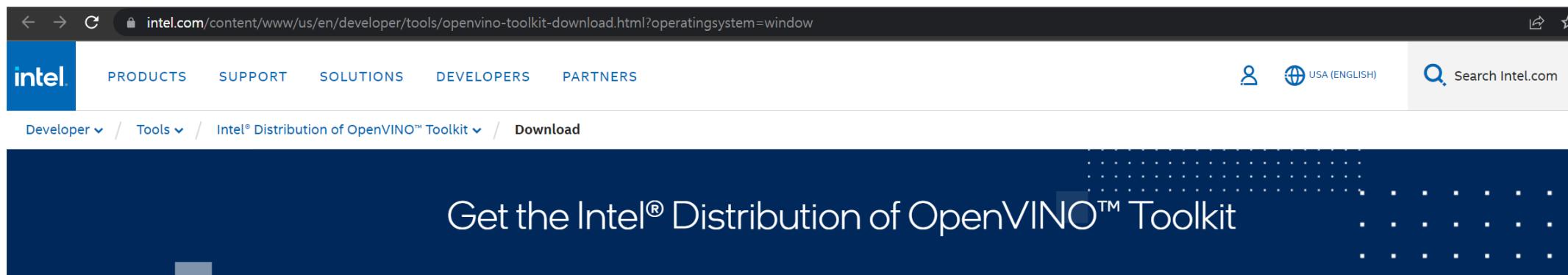
Operating System:

Select operating system  
Select here

클릭 "Select operating system"

[Overview](#) | [How It Works](#) | [Use Cases](#) | [Resources](#)

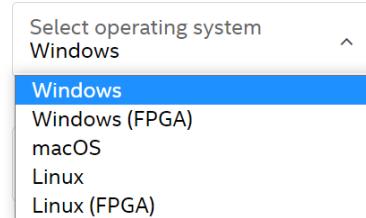
# OpenVINO 설치 프로그램 다운로드



The screenshot shows the Intel website for downloading the OpenVINO Toolkit. The URL in the browser is [intel.com/content/www/us/en/developer/tools/openvino-toolkit-download.html?operatingsystem=window](https://intel.com/content/www/us/en/developer/tools/openvino-toolkit-download.html?operatingsystem=window). The page title is "Get the Intel® Distribution of OpenVINO™ Toolkit". A callout box highlights the "Windows" option in the "Operating System" dropdown menu, which is currently selected. A green arrow points from the text "Windows 선택" (Windows selected) to the highlighted menu item.

Select options below to download

Operating System:



Distribution:

“Windows” 선택

[Overview](#) | [How It Works](#) | [Use Cases](#) | [Resources](#)

# OpenVINO 설치 프로그램 다운로드

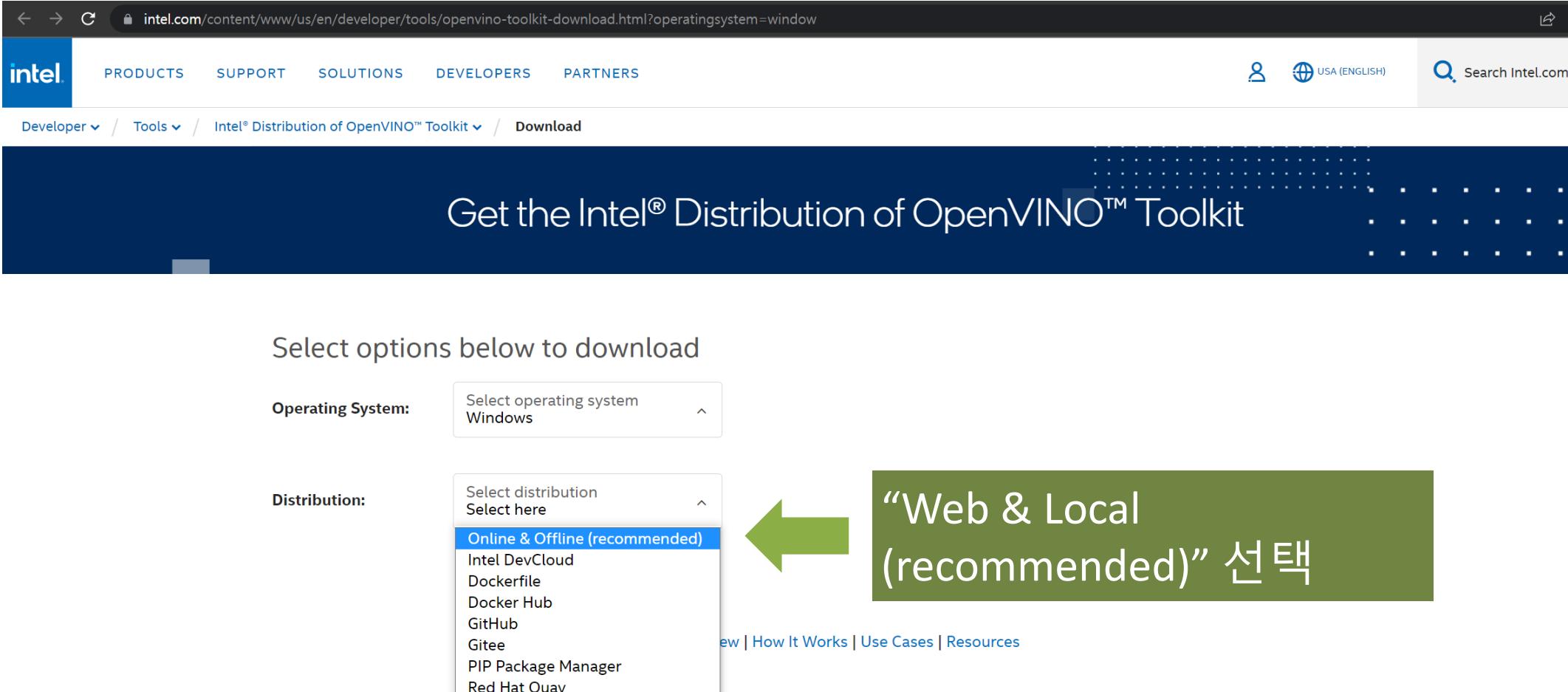
The screenshot shows the Intel website for OpenVINO Toolkit download. At the top, there's a navigation bar with links for PRODUCTS, SUPPORT, SOLUTIONS, DEVELOPERS, and PARTNERS. Below the navigation is a breadcrumb trail: Developer > Tools > Intel® Distribution of OpenVINO™ Toolkit > Download. The main heading is "Get the Intel® Distribution of OpenVINO™ Toolkit". Below this, there's a section titled "Select options below to download". It includes two dropdown menus: "Operating System" set to "Windows" and "Distribution" set to "Select here". The "Distribution" dropdown is expanded, showing options like "Online & Offline (recommended)", "Intel DevCloud", "Dockerfile", "Docker Hub", "GitHub", "Gitee", "PIP Package Manager", and "Red Hat Quay". A large green arrow points from a callout box to the "Distribution" dropdown. The callout box contains the text "Select distribution" and "Select here".

“Select distribution” 클릭

Product and Performance Information

<sup>1</sup> Performance varies by use, configuration and other factors. Learn more at [www.intel.com/PerformanceIndex](http://www.intel.com/PerformanceIndex).

# OpenVINO 설치 프로그램 다운로드



The screenshot shows the Intel developer tools download page for Windows. It features a large banner with the text "Get the Intel® Distribution of OpenVINO™ Toolkit". Below the banner, there's a section titled "Select options below to download". Two dropdown menus are visible: one for "Operating System" set to "Windows", and another for "Distribution" with "Online & Offline (recommended)" selected. A green callout box with a left-pointing arrow highlights the "Online & Offline (recommended)" option.

Get the Intel® Distribution of OpenVINO™ Toolkit

Select options below to download

Operating System: Select operating system Windows

Distribution: Select distribution  
Select here

- Online & Offline (recommended)
- Intel DevCloud
- Dockerfile
- Docker Hub
- GitHub
- Gitee
- PIP Package Manager
- Red Hat Quay

“Web & Local (recommended)” 선택

# OpenVINO 설치 프로그램 다운로드

The screenshot shows the Intel developer tools download page for the OpenVINO Toolkit. At the top, there's a navigation bar with links for PRODUCTS, SUPPORT, SOLUTIONS, DEVELOPERS, and PARTNERS. Below that is a breadcrumb trail: Developer > Tools > Intel® Distribution of OpenVINO™ Toolkit > Download. The main heading is "Get the Intel® Distribution of OpenVINO™ Toolkit".

Below the heading, there are three dropdown menus:

- Operating System:** Set to Windows.
- Distribution:** Set to Online & Offline (recommended).
- Version Type:** A dropdown menu with the following options:
  - Select version
  - Select here
  - 2021 4.2 LTS (latest)
  - 2021 4.1 LTS
  - 2021 4 LTS
  - 2021 3
  - 2021 2
  - 2021 1
  - 2020 4
  - 2020 3.2 LTS
  - 2020 3.1 LTS
  - 2020 3 LTS

A large green arrow points from the text "Select version" to the "Select version" button in the dropdown menu. To the right of the arrow, a green box contains the text "Select version" 클릭 (Click Select version).

At the bottom left, there's a link to "Product and Performance Information". At the bottom right, there's the Intel digital readiness logo.

# OpenVINO 설치 프로그램 다운로드

The screenshot shows the Intel developer tools download page for the OpenVINO Toolkit. The URL in the address bar is [intel.com/content/www/us/en/developer/tools/openvino-toolkit-download.html?operatingsystem=window&distributions=webdownload](https://intel.com/content/www/us/en/developer/tools/openvino-toolkit-download.html?operatingsystem=window&distributions=webdownload). The page header includes the Intel logo, navigation links for PRODUCTS, SUPPORT, SOLUTIONS, DEVELOPERS, PARTNERS, and user account information. A search bar is also present.

The main heading on the page is "Get the Intel® Distribution of OpenVINO™ Toolkit". Below it, instructions say "Select options below to download".

The "Operating System" dropdown is set to "Windows".

The "Distribution" dropdown is set to "Online & Offline (recommended)".

The "Version Type" dropdown has a list of options:

- 2021 4.2 LTS (latest)
- 2021 4.1 LTS
- 2021 4 LTS
- 2021 3
- 2021 2** (highlighted with a blue selection bar and a green arrow pointing to a callout box)
- 2021 1
- 2020 4
- 2020 3.2 LTS
- 2020 3.1 LTS
- 2020 3 LTS

A large green callout box contains the Korean text "“2021.2” 선택", which translates to "Select '2021.2'".

# OpenVINO 설치 프로그램 다운로드

The screenshot shows the Intel website for downloading the OpenVINO Toolkit. At the top, there's a navigation bar with links for PRODUCTS, SUPPORT, SOLUTIONS, DEVELOPERS, and PARTNERS. Below that, a breadcrumb trail shows the user is in the Developer section under Tools, specifically the Intel® Distribution of OpenVINO™ Toolkit, and is currently on the Download page.

The main heading on the page is "Get the Intel® Distribution of OpenVINO™ Toolkit". Below it, instructions say "Select options below to download". There are four dropdown menus:

- Operating System:** Set to "Windows".
- Distribution:** Set to "Online & Offline (recommended)".
- Version Type:** Set to "2021.2".
- Installer Type:** Set to "Select installer Select here".

A large green callout box with a green arrow points to the "Installer Type" dropdown. Inside the callout box, the text "Select installer" is written in white, followed by "클릭" (click) in Korean. This indicates that the user should click on the "Select here" link in the dropdown menu to proceed.

# OpenVINO 설치 프로그램 다운로드

The screenshot shows the Intel website for the OpenVINO Toolkit download. The URL in the address bar is [intel.com/content/www/us/en/developer/tools/openvino-toolkit-download.html?operatingsystem=window&distributions=webdownload&version=2021%202&options=offline](https://intel.com/content/www/us/en/developer/tools/openvino-toolkit-download.html?operatingsystem=window&distributions=webdownload&version=2021%202&options=offline). The page features the Intel logo and navigation links for PRODUCTS, SUPPORT, SOLUTIONS, DEVELOPERS, and PARTNERS. It also includes links for Developer, Tools, Intel® Distribution of OpenVINO™ Toolkit, and Download. The main heading is "Get the Intel® Distribution of OpenVINO™ Toolkit".

Select options below to download

Operating System:

Select operating system  
Windows

Distribution:

Select distribution  
Online & Offline (recommended)

Version Type:

Select version  
2021.2

Installer Type:

Select installer  
Offline

Online

Offline

## Offline Installer

- Includes all tools in the toolkit
- Recommended for host machines with poor or no internet connection

Note You can install the runtime component without an internet connection, but some dependencies for developer tools (like Model Optimizer) require an internet connection. In some cases, to use Intel® Graphics you may need to download a separate driver that is not included in this package.

## Select Your Release Type

Standard Release

ommunity type features releases continue to be made available three to four times a year.

Long-Term Support (LTS) Release

ed for developers their application to production and require long-term support (LTS) and stability.

“offline”선택



# OpenVINO 설치 프로그램 다운로드

← → C intel.com/content/www/us/en/developer/tools/openvino-toolkit-download.html?operatingsystem=window&distributions=webdownload&version=2021%202&options=offline

Version Type: Select version 2021 2

Installer Type: Select installer Offline

connection. In some cases, to use Intel® Graphics you may need to download a separate driver that is not included in this package.

Select Your Release Type

| Standard Release  | Long-Term Support (LTS) Release   |
|---|---|
| Recommended for developers who are prototyping and prefer the very latest features and leading performance. Standard releases continue to be made available three to four times a year. | Recommended for developers who are taking their application to production and require long-term support (LTS) and stability.<br><br>A new LTS version is released every year and is supported for two years (one year of bug fixes and two years for security patches). |

Download Registration

Business Email Address\* jcna200129@gmail.com

Country/Region\* Korea, Republic of

Submit & Begin Download

By submitting this form, you are confirming you are an adult and you agree to share your personal information with Intel business request. You also agree to subscribe to stay connected to the latest Intel technologies and industry trends by email and telephone. You may unsubscribe at any time. Intel's privacy statement can be found here.

“Submit & Begin Download” 클릭

이메일 입력 및  
지역 선택



Submit & Begin Download

# OpenVINO Installer 설치 - Part 1

AI for Future Workforce

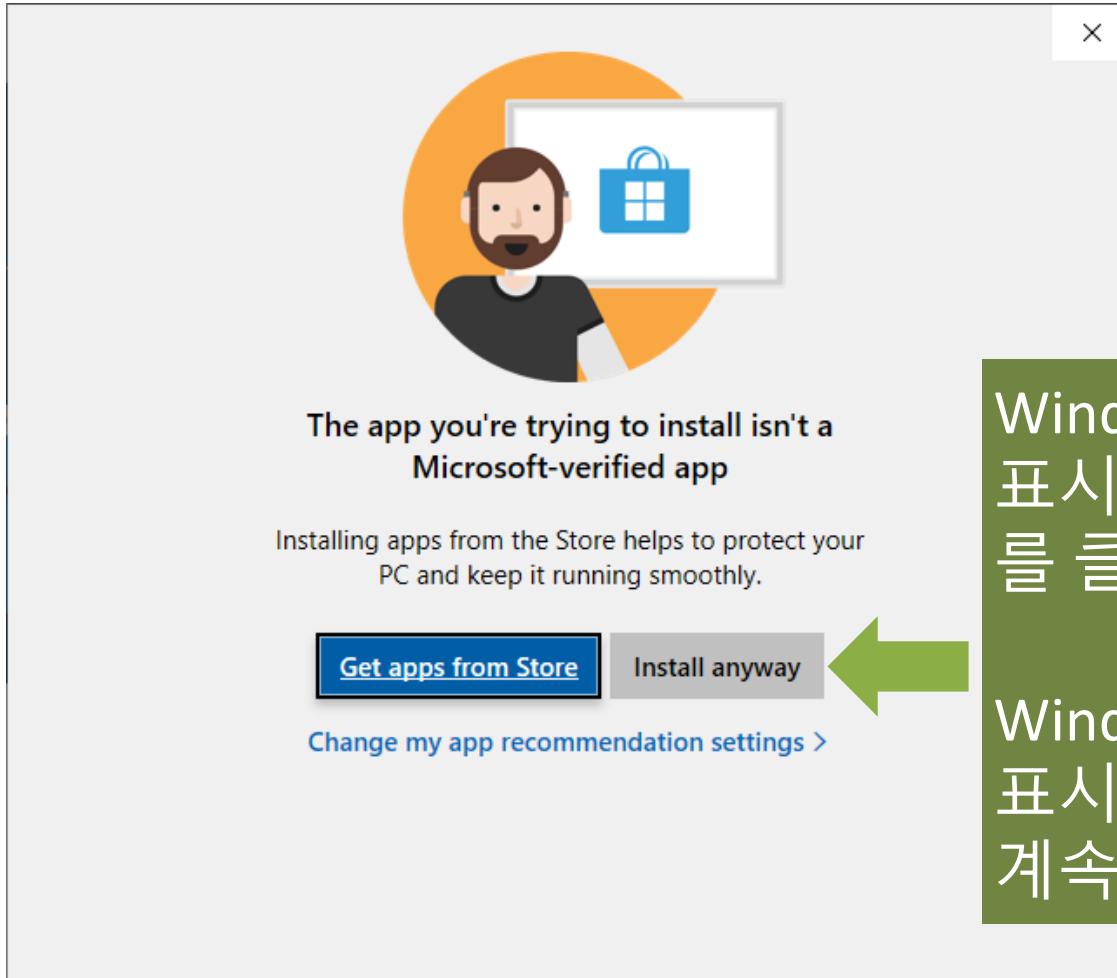
intel digital  
readiness

# OpenVINO Installer 설치 Part 1

The screenshot shows the Intel OpenVINO Toolkit download page. At the top, there's a navigation bar with links for PRODUCTS, SUPPORT, SOLUTIONS, DEVELOPERS, PARTNERS, and a search bar. Below the navigation, the URL is intel.com/content/www/us/en/developer/tools/opencv-toolkit-download.html?operatingsystem=window&distributions=webdownload&version=2021%202&options=offline. The main heading is "Get the Intel® Distribution of OpenVINO™ Toolkit". On the left, there's a section titled "Select options below to download" with dropdown menus for Operating System (Windows), Distribution (Online & Offline recommended), Version Type (2021 2), and Installer Type (Offline). To the right, there's a "Offline Installer" section with a note about internet connectivity and a "Select Your Release Type" section comparing Standard Release and Long-Term Support (LTS) Release. A large green callout box at the bottom right contains the Korean text "설치 프로그램을 성공적으로 다운로드한 후 클릭합니다." with a green arrow pointing to the download link in the taskbar.

설치 프로그램을 성공적으로 다운로드한  
후 클릭합니다.

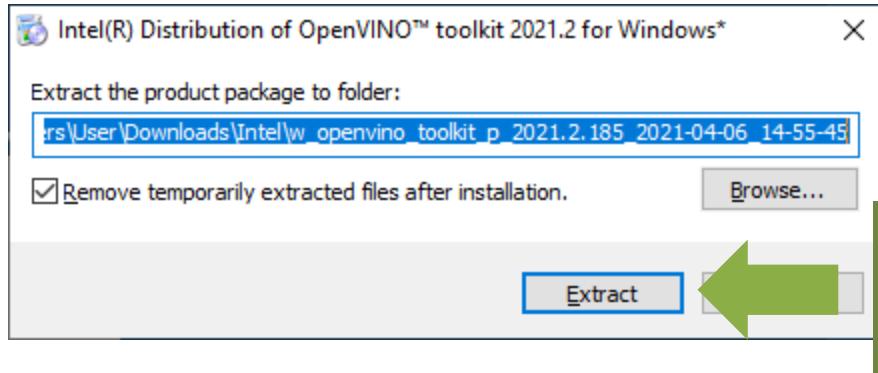
# OpenVINO Installer 설치 Part 1



Windows에서 경고가  
표시되면 “Install anyway”  
를 클릭하십시오.

Windows에서 보안 질문이  
표시되면 “Yes”를 클릭하여  
계속 진행하십시오.

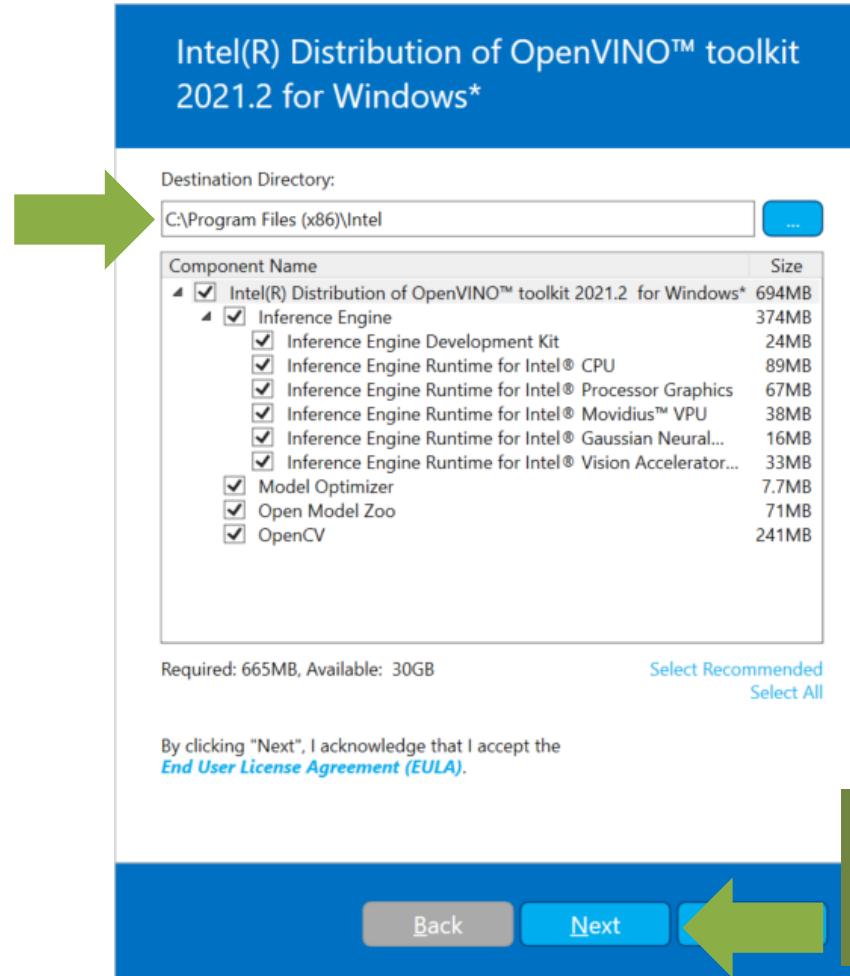
# OpenVINO Installer 설치 Part 1



기본값으로 유지하고  
“Extract” 을 클릭합니다.

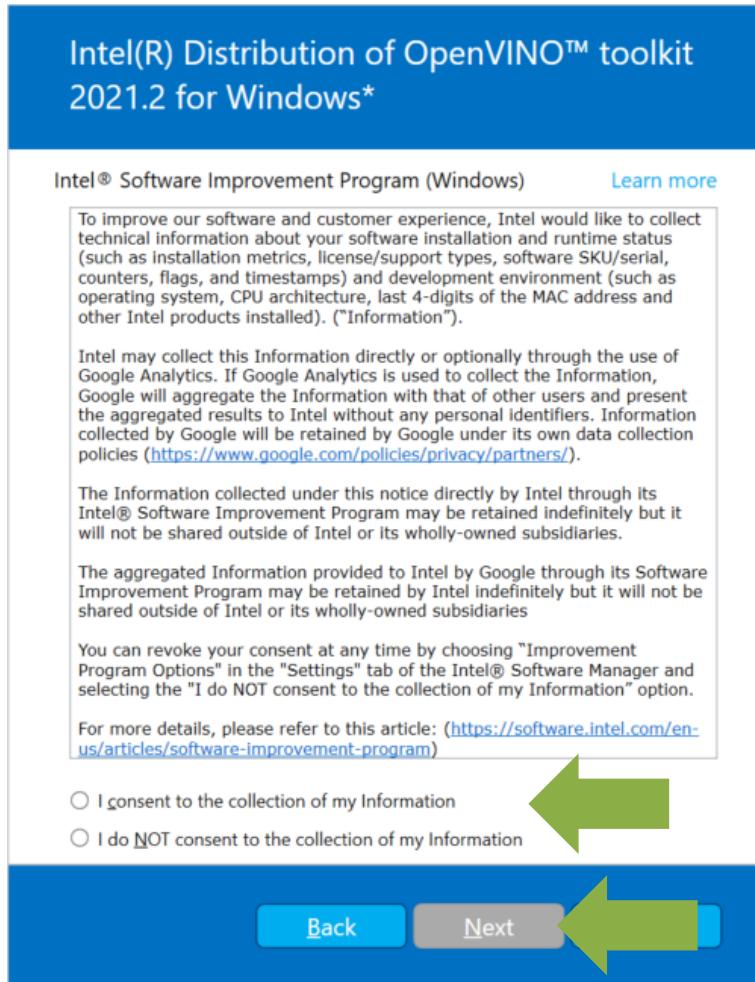
# OpenVINO Installer 설치 Part 1

대상 디렉토리를  
참고합니다.  
가능하다면 동일하게  
유지하십시오.  
그렇지 않으면 나중에  
"OpenVINO Part 2  
설치" 단계에서 폴더  
경로를 수정해야  
합니다.



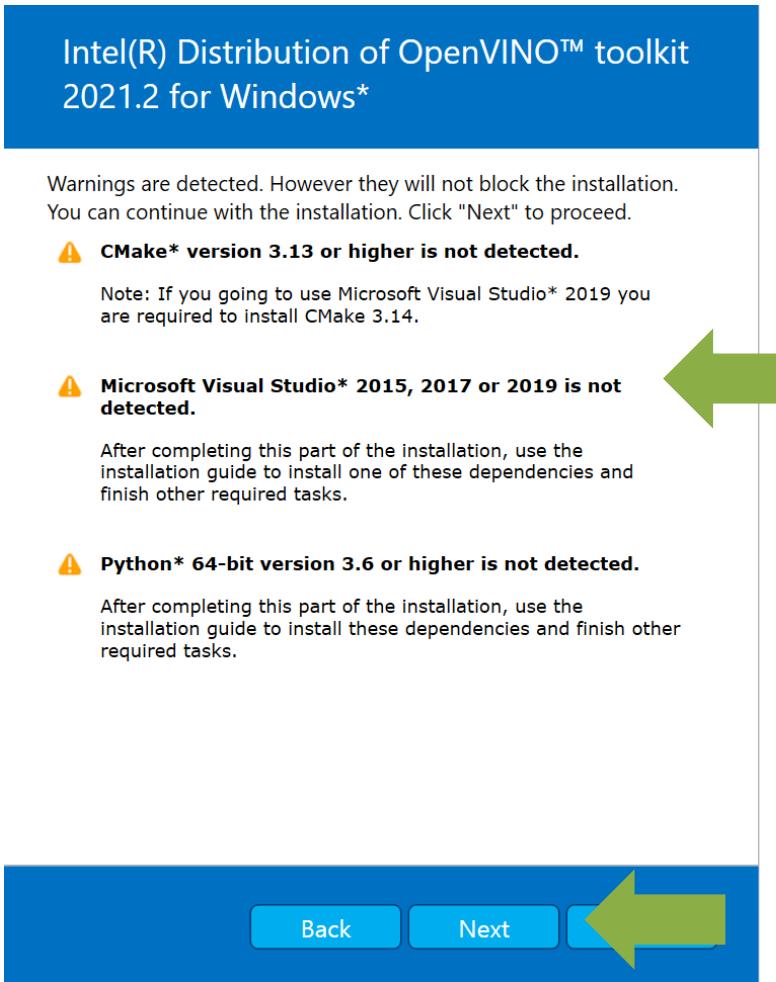
기본값으로 유지하고  
"Next"을 클릭합니다.

# OpenVINO Installer 설치 Part 1



정보 수집에 대한 동의를  
제공하려면 이 항목을  
선택합니다.  
그런 다음 “Next” 을  
클릭합니다.

# OpenVINO Installer 설치 Part 1

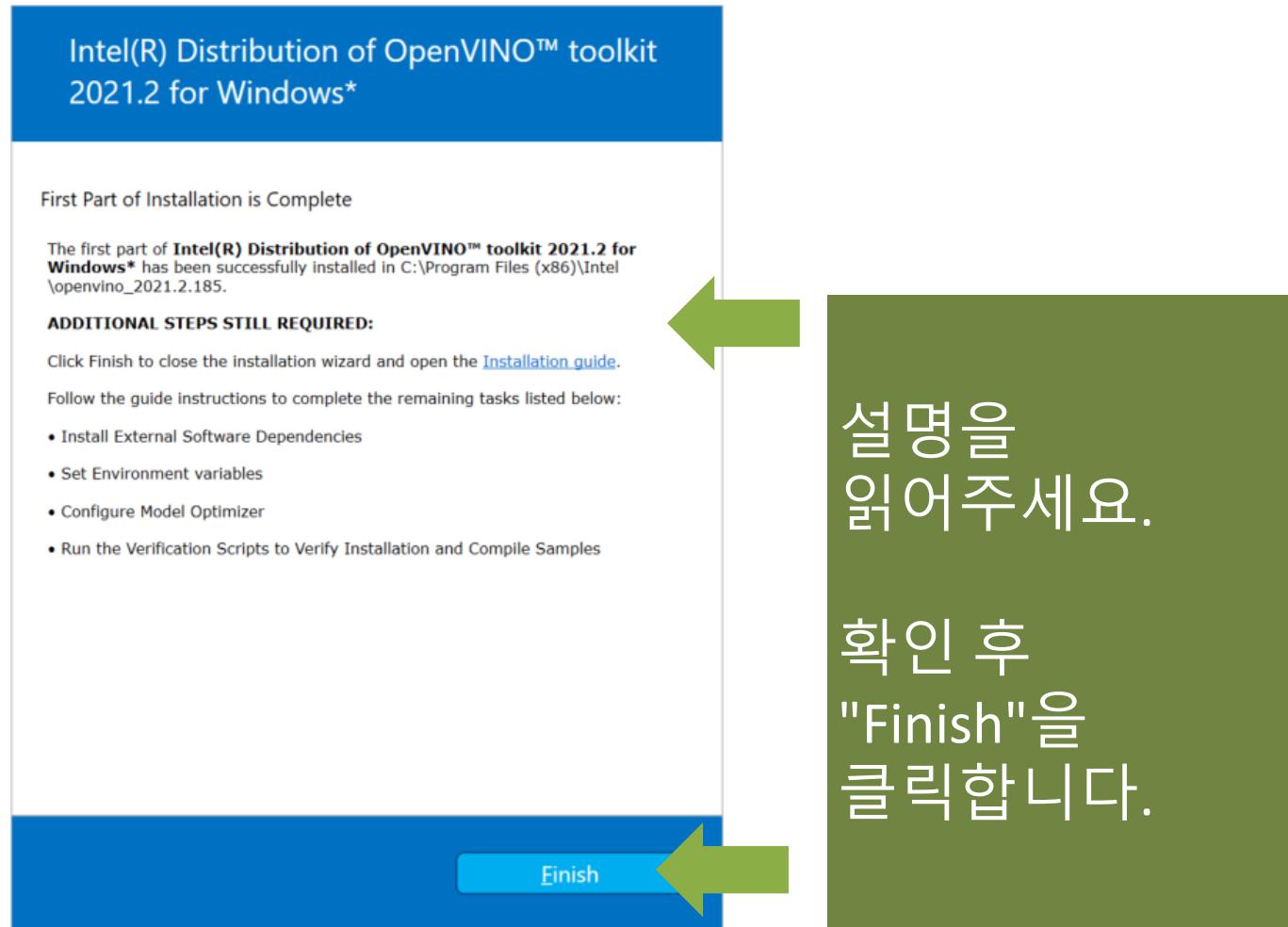


기본적으로 설치되어야 하는 세가지 프로그램이 있습니다. 각 프로그램의 최소 버전을 확인하세요:

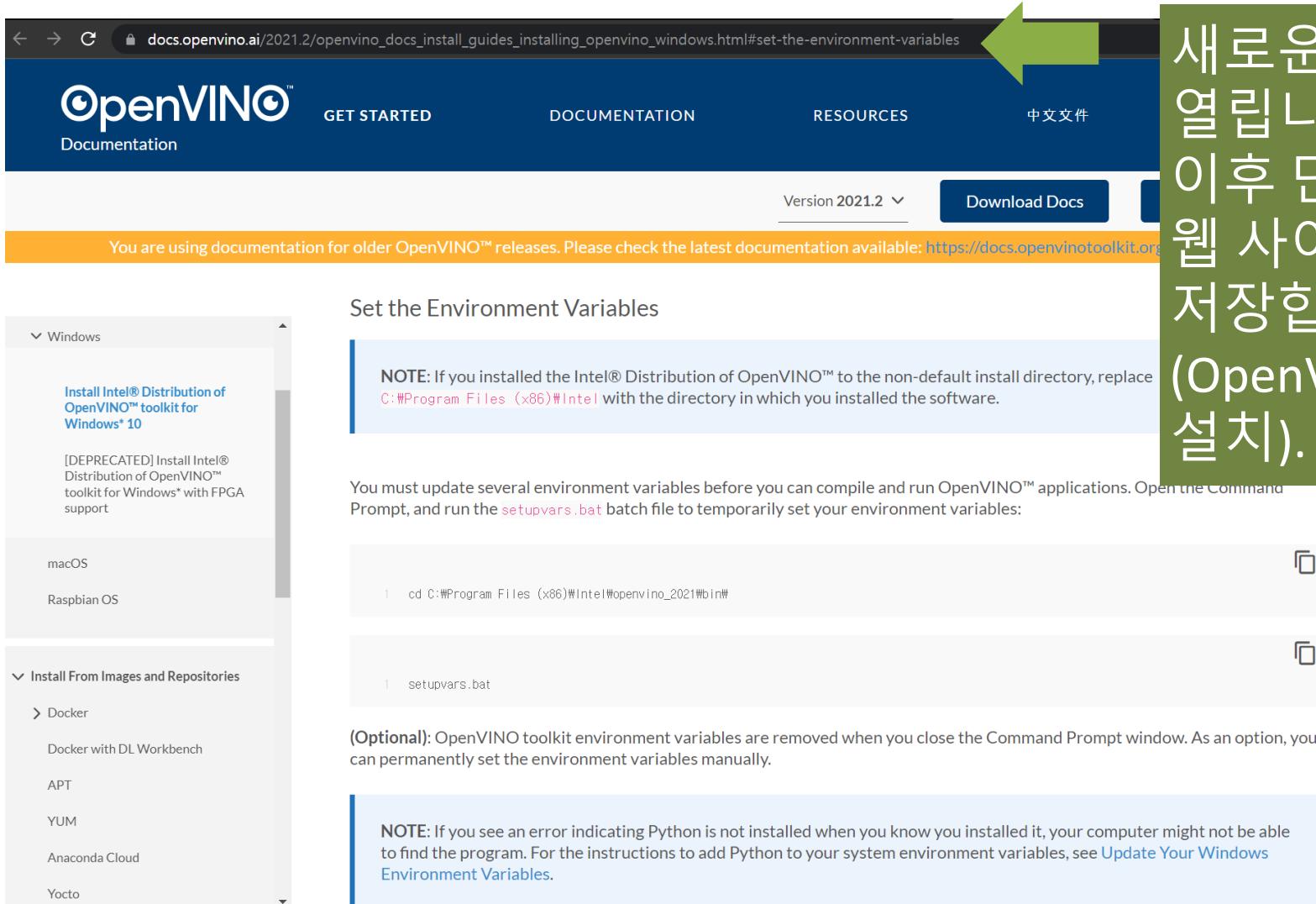
1. CMake (3.14)
2. Visual Studio (2019)
3. Python (3.6)

참고 후, “Next” 클릭

# OpenVINO Installer 설치 Part 1



# OpenVINO Installer 설치 Part 1



The screenshot shows the OpenVINO Documentation website for Windows. The URL in the address bar is [docs.openvino.ai/2021.2/openvino\\_docs\\_install\\_guides/installing\\_openvino\\_windows.html#set-the-environment-variables](https://docs.openvino.ai/2021.2/openvino_docs_install_guides/installing_openvino_windows.html#set-the-environment-variables). The page content discusses setting environment variables for the OpenVINO toolkit. It includes a note about replacing the default install directory if it's not the default, instructions for running setupvars.bat in the Command Prompt, and an optional manual method for Linux users. A green arrow points from the Korean text on the right to the URL in the browser address bar.

새로운 웹사이트가  
열립니다.  
이후 단계를 위해 이  
웹 사이트 링크를  
저장합니다  
(OpenVino Part 2  
설치).

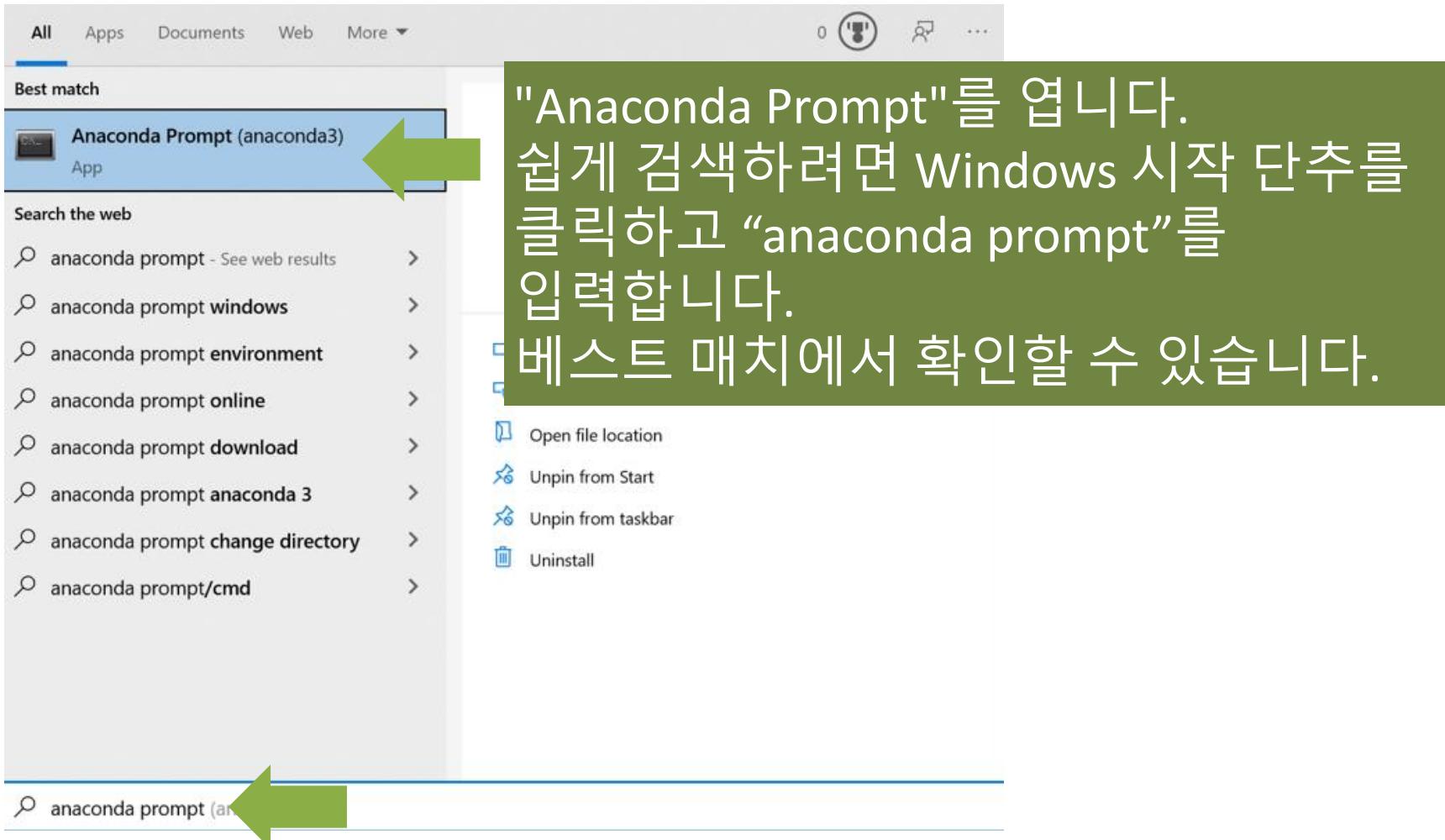
# 사전 설치 프로그램: CMake 설치

(설치한 경우 이 단계를 건너뜁니다.)

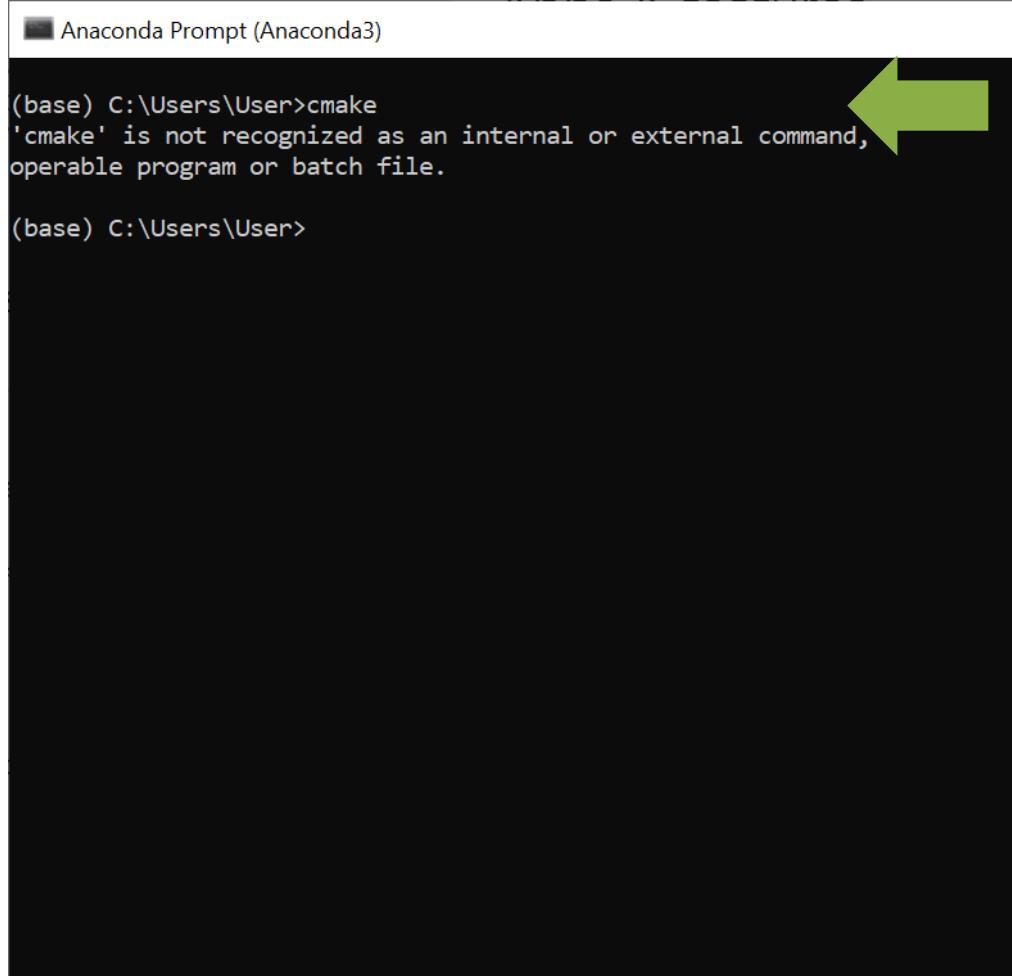
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readiness

# 사전 설치 프로그램: CMake 설치



# 사전 설치 프로그램: CMake 설치



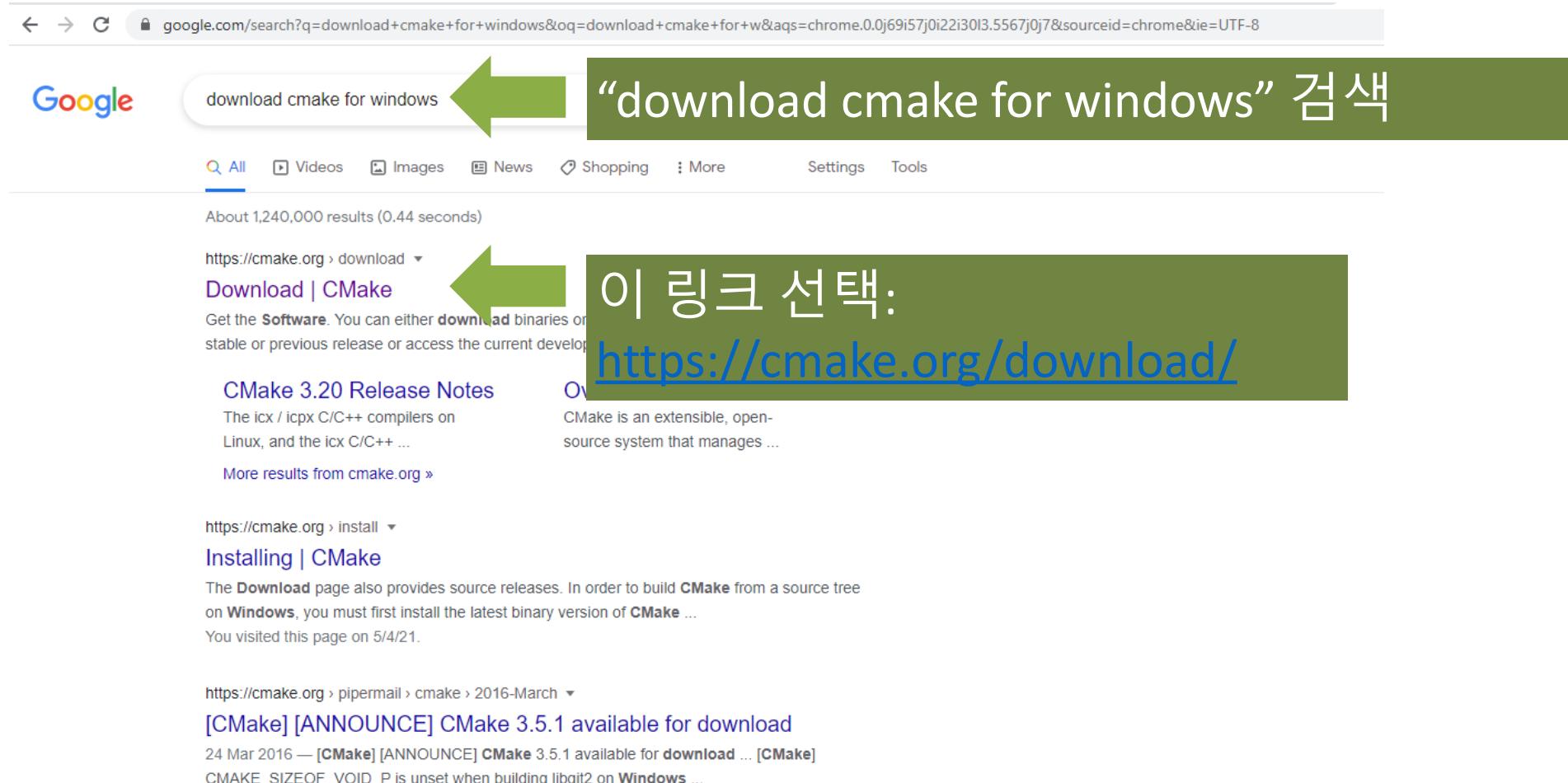
A screenshot of the Anaconda Prompt window titled "Anaconda Prompt (Anaconda3)". The prompt shows the user's directory as "(base) C:\Users\User>". The user has typed "cmake" and received an error message: "'cmake' is not recognized as an internal or external command, operable program or batch file." A large green arrow points from the explanatory text on the right towards this error message.

cmake가 올바르게  
설치되었는지 테스트하려면  
다음을 수행하십시오:

1. Anaconda Prompt를 엽니다.
2. "cmake"를 입력하고 Enter  
키를 누릅니다.

올바르게 설치되지 않은 경우  
그림과 같이 오류가  
발생합니다.

# 사전 설치 프로그램: CMake 설치



# 사전 설치 프로그램: CMake 설치

The screenshot shows the CMake download page at [cmake.org/download/](https://cmake.org/download/). A green arrow points from the text "최신 버전을 설치하십시오. 이 노트의 시점에서는 3.22.3입니다. .msi 파일의 링크를 클릭합니다." to the "Latest Release (3.22.3)" section. Another green arrow points from the same text to the "Windows x64 Installer" row in the "Binary distributions" table.

Latest Release (3.22.3)

The release was packaged with CPack which is included as part of the distribution. To install a .sh file, run it with /bin/sh and follow the directions. The OS-machine.tar.Z files are compressed tar files of the source tree. The .tar.Z files are compressed tar files of the source tree. They are prefixed by the version of CMake. For example, cmake-3.22.3-linux-x86\_64. This prefix can be removed as long as the share, bin, lib, include, and doc directories are in the correct place relative to the source tree. To build the source distributions, unpack them with zip or tar. See also the [CMake 3.22 Release Notes](#).

Source distributions:

| Platform                              | Files                               |
|---------------------------------------|-------------------------------------|
| Unix/Linux Source (has \n line feeds) | <a href="#">cmake-3.22.3.tar.gz</a> |
| Windows Source (has \r\n line feeds)  | <a href="#">cmake-3.22.3.zip</a>    |

Binary distributions:

| Platform   | Files   |
|--|---|
| Windows x64 Installer: <b>Installer tool has changed. Uninstall CMake 3.4 or lower first!</b>  | <a href="#">cmake-3.22.3-windows-x86_64.msi</a>     |
| Windows x64 ZIP  | <a href="#">cmake-3.22.3-windows-x86_64.zip</a>     |
| Windows i386 Installer: <b>Installer tool has changed. Uninstall CMake 3.4 or lower first!</b> | <a href="#">cmake-3.22.3-windows-i386.msi</a>       |
| Windows i386 ZIP   | <a href="#">cmake-3.22.3-windows-i386.zip</a>       |
| macOS 10.13 or later   | <a href="#">cmake-3.22.3-macos-universal.dmg</a>    |
|  | <a href="#">cmake-3.22.3-macos-universal.tar.gz</a> |

# 사전 설치 프로그램: CMake 설치

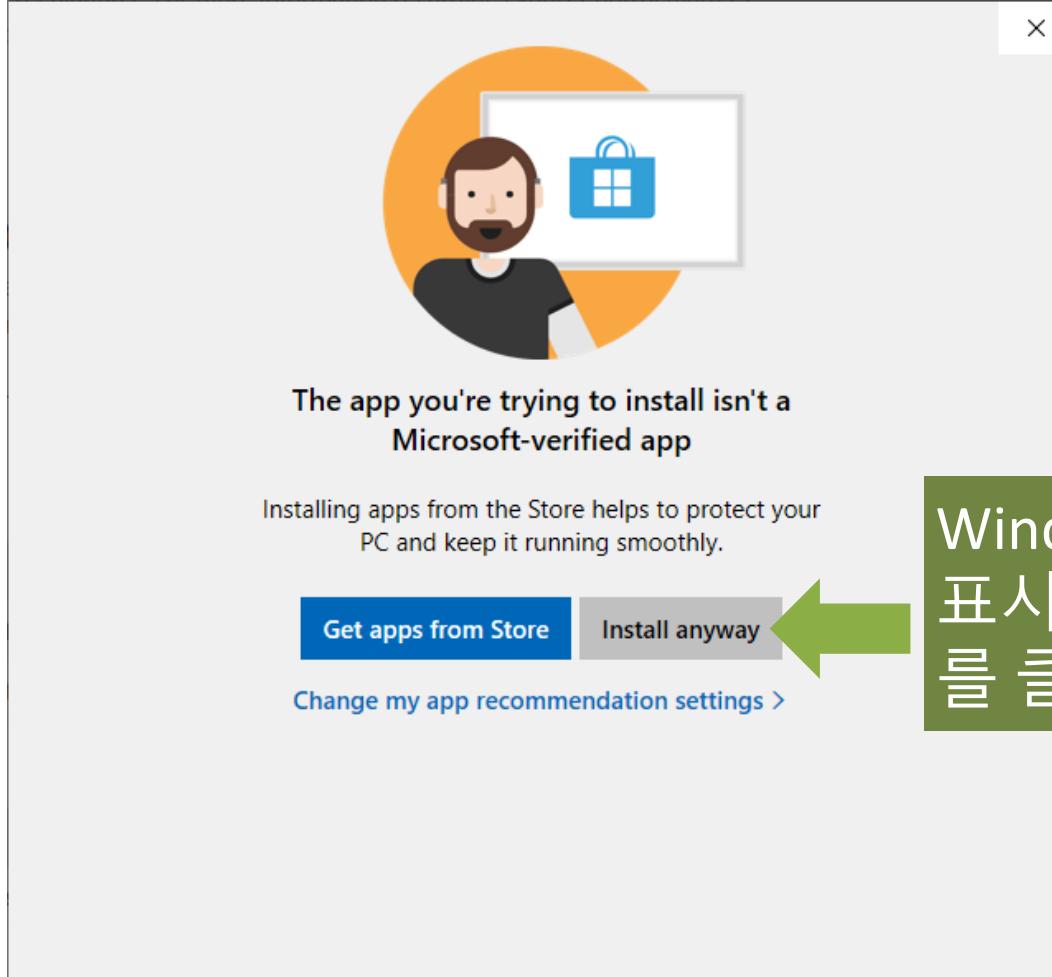
The screenshot shows the CMake download page. At the top, there's a navigation bar with links for About, Services, Resources, Download, and a search icon. Below the navigation, it says "Latest Release (3.22.3)". A detailed description follows, explaining the packaging and installation process. Under "Source distributions:", there are two rows: one for Unix/Linux Source (gzipped tar file) and one for Windows Source (zip file). Under "Binary distributions:", there are three rows: one for Windows x64 Installer (msi file), one for Windows x64 ZIP, and one for Windows i386 Installer (msi file). A large green callout box with Korean text is overlaid on the bottom right, pointing to the Windows x64 Installer link.

| Platform                              | Files                               |
|---------------------------------------|-------------------------------------|
| Unix/Linux Source (has \n line feeds) | <a href="#">cmake-3.22.3.tar.gz</a> |
| Windows Source (has \r\n line feeds)  | <a href="#">cmake-3.22.3.zip</a>    |

| Platform   | Files   |
|--|---|
| Windows x64 Installer: <b>Installer tool has changed. Uninstall CMake 3.4 or lower first!</b>  | <a href="#">cmake-3.22.3-windows-x86_64.msi</a> |
| Windows x64 ZIP  |   |
| Windows i386 Installer: <b>Installer tool has changed. Uninstall CMake 3.4 or lower first!</b> |   |

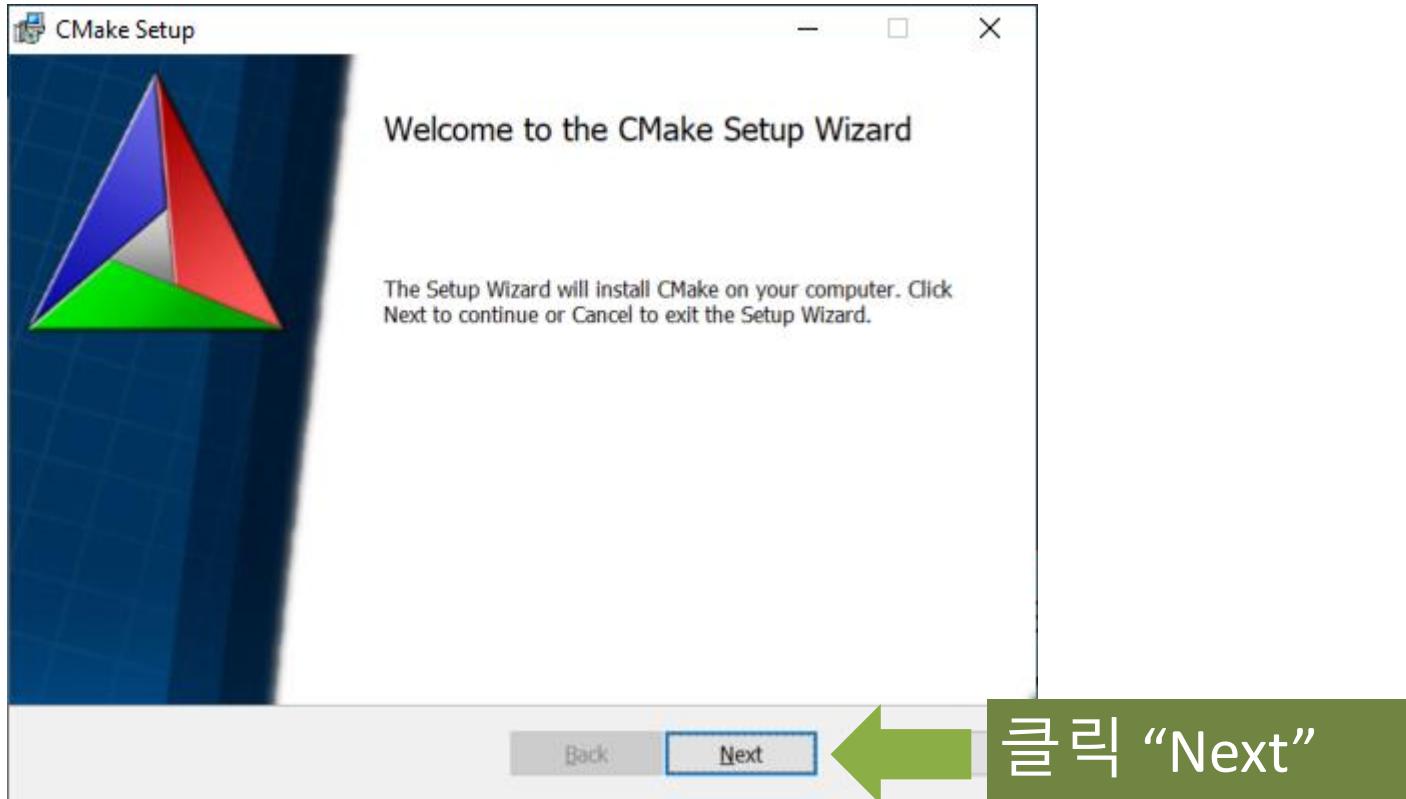
설치 프로그램을 다운로드했으면  
클릭합니다.

# 사전 설치 프로그램: CMake 설치



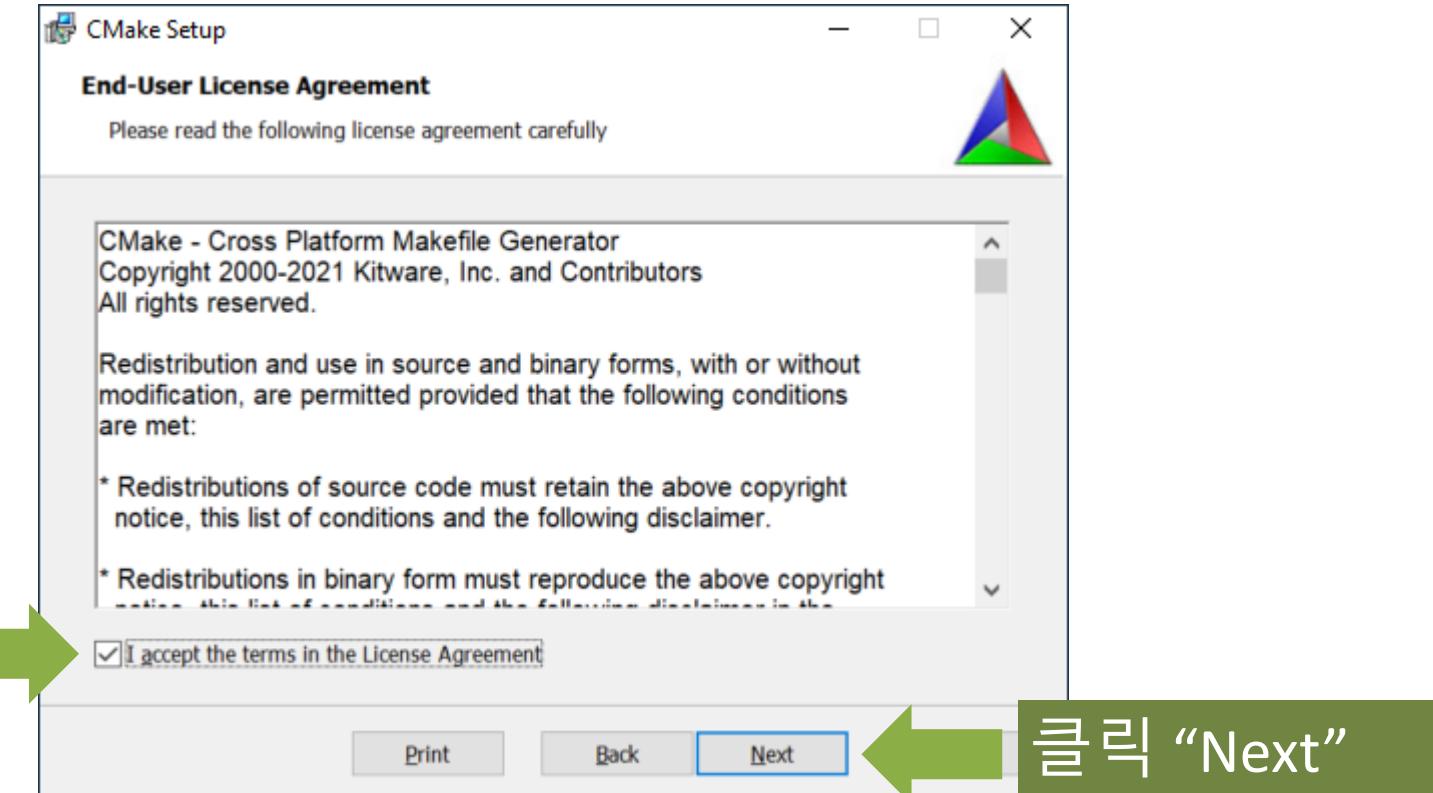
Windows에서 경고가  
표시되면 “Install anyway”  
를 클릭하십시오.

# 사전 설치 프로그램: CMake 설치



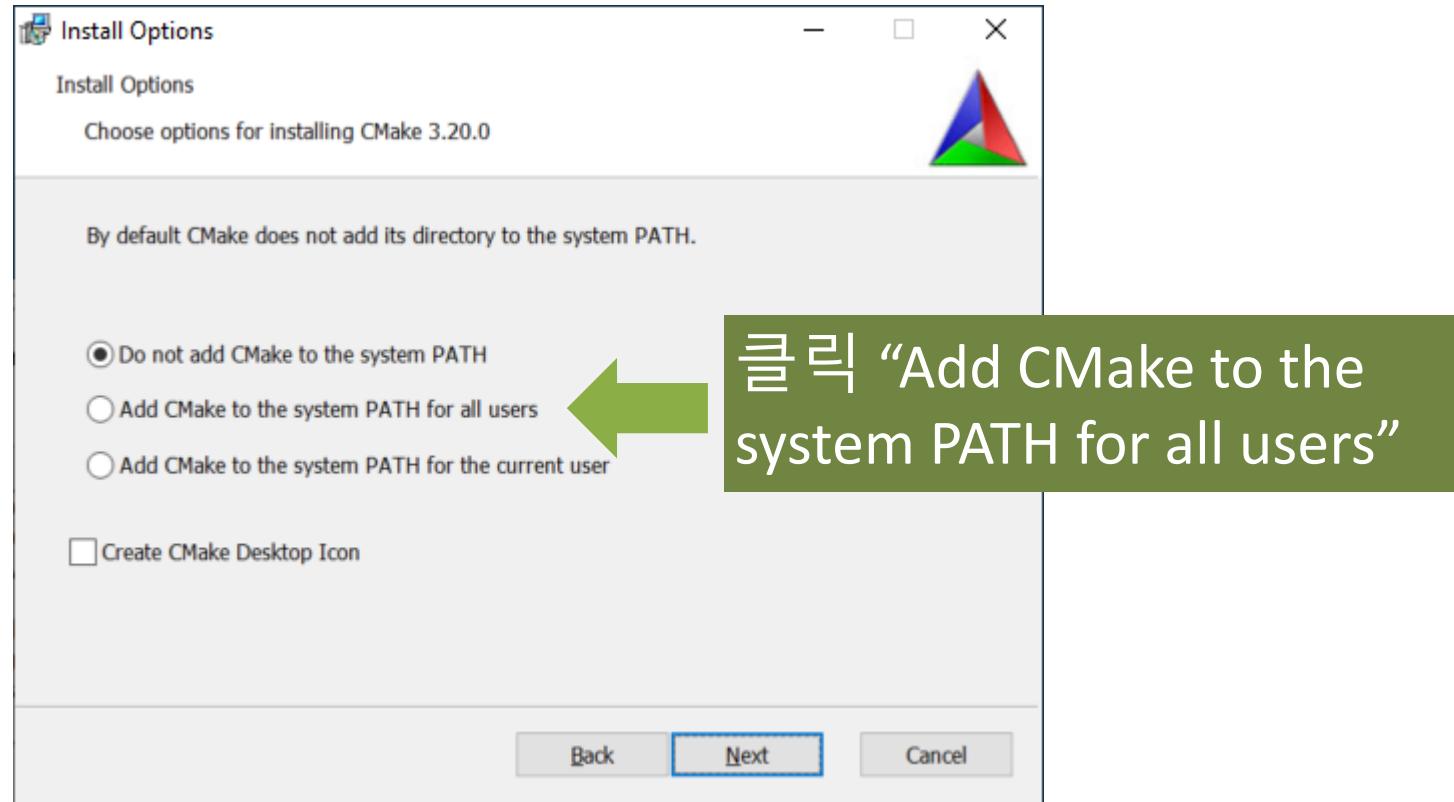
# 사전 설치 프로그램: CMake 설치

최종 사용자  
라이센스 계약을  
읽으십시오.  
그런 다음, 클릭 “I  
accept the terms in  
the License  
Agreement.”

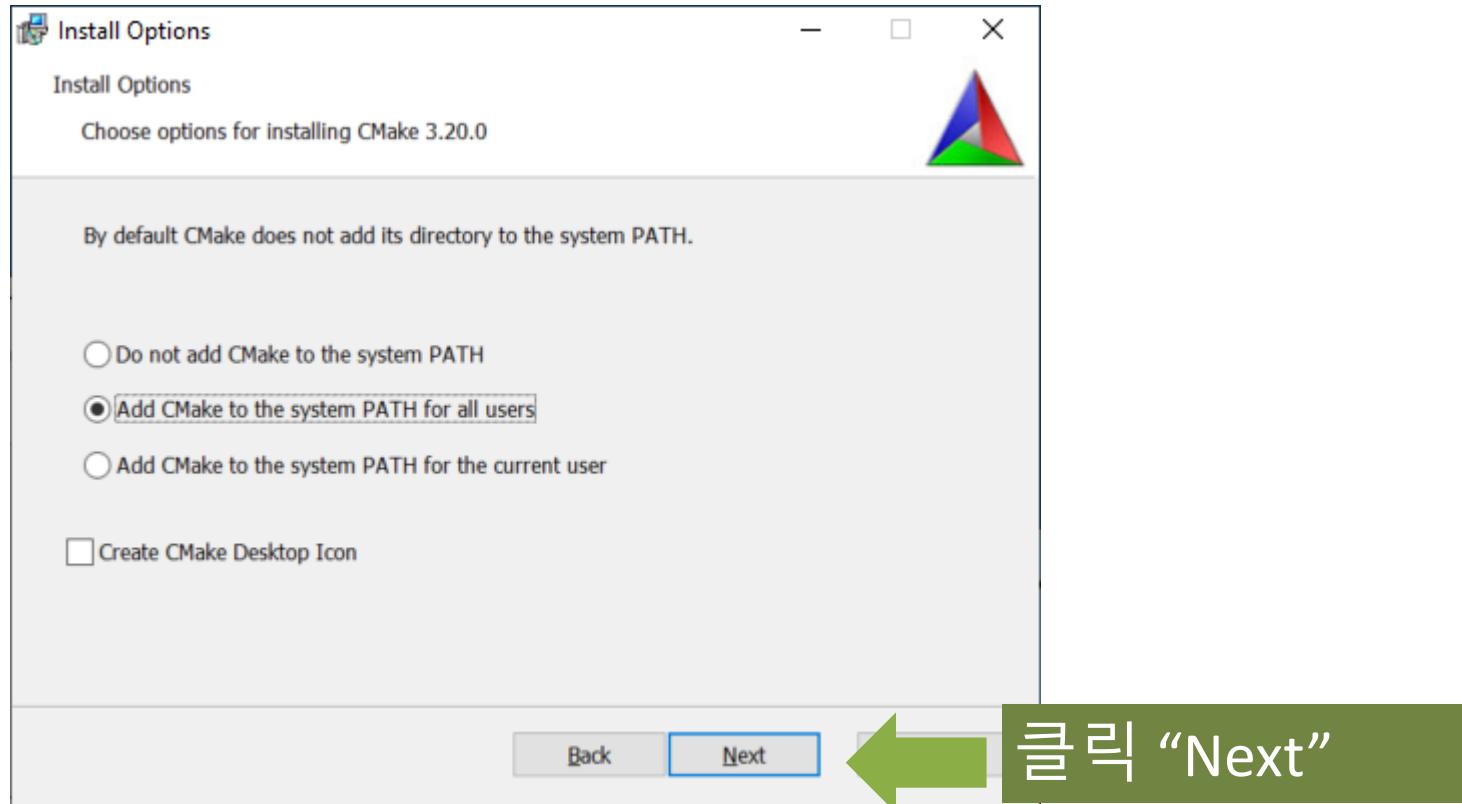


클릭 “Next”

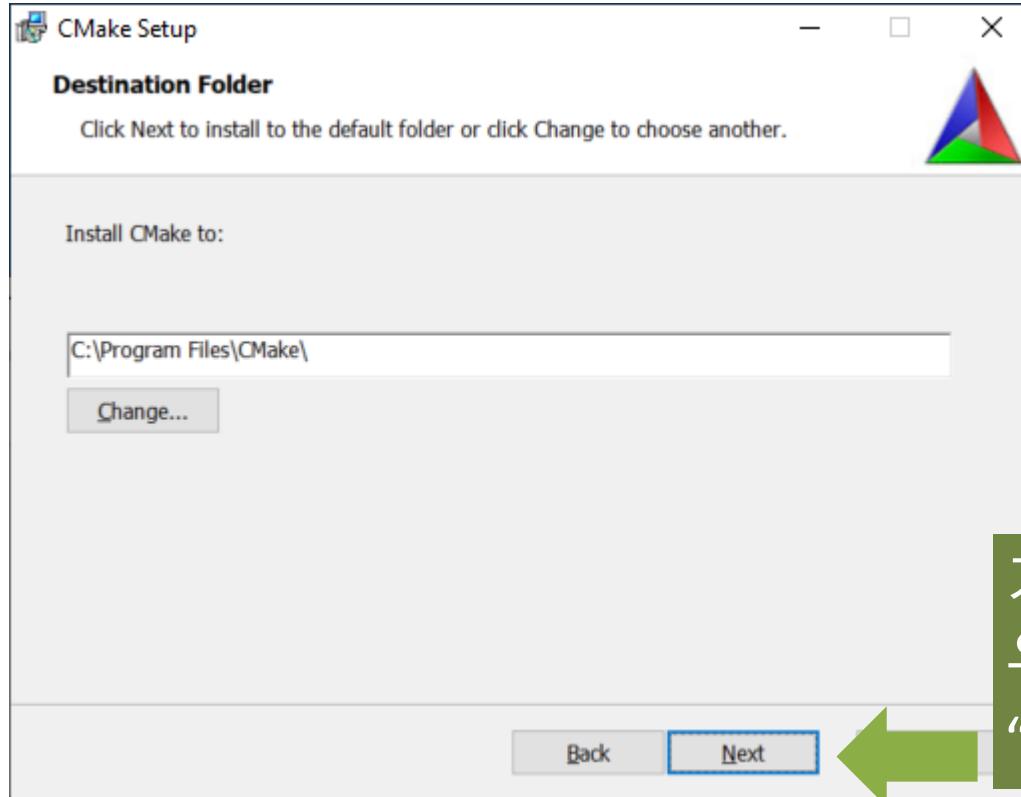
# 사전 설치 프로그램: CMake 설치



# 사전 설치 프로그램: CMake 설치

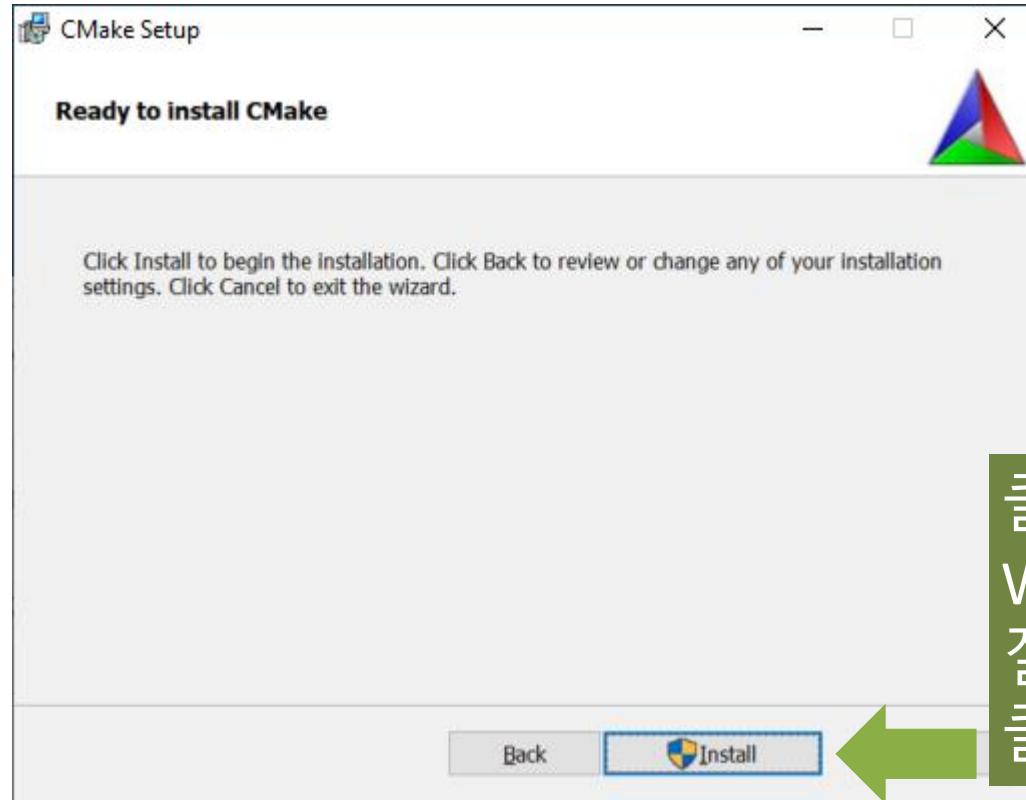


# 사전 설치 프로그램: CMake 설치



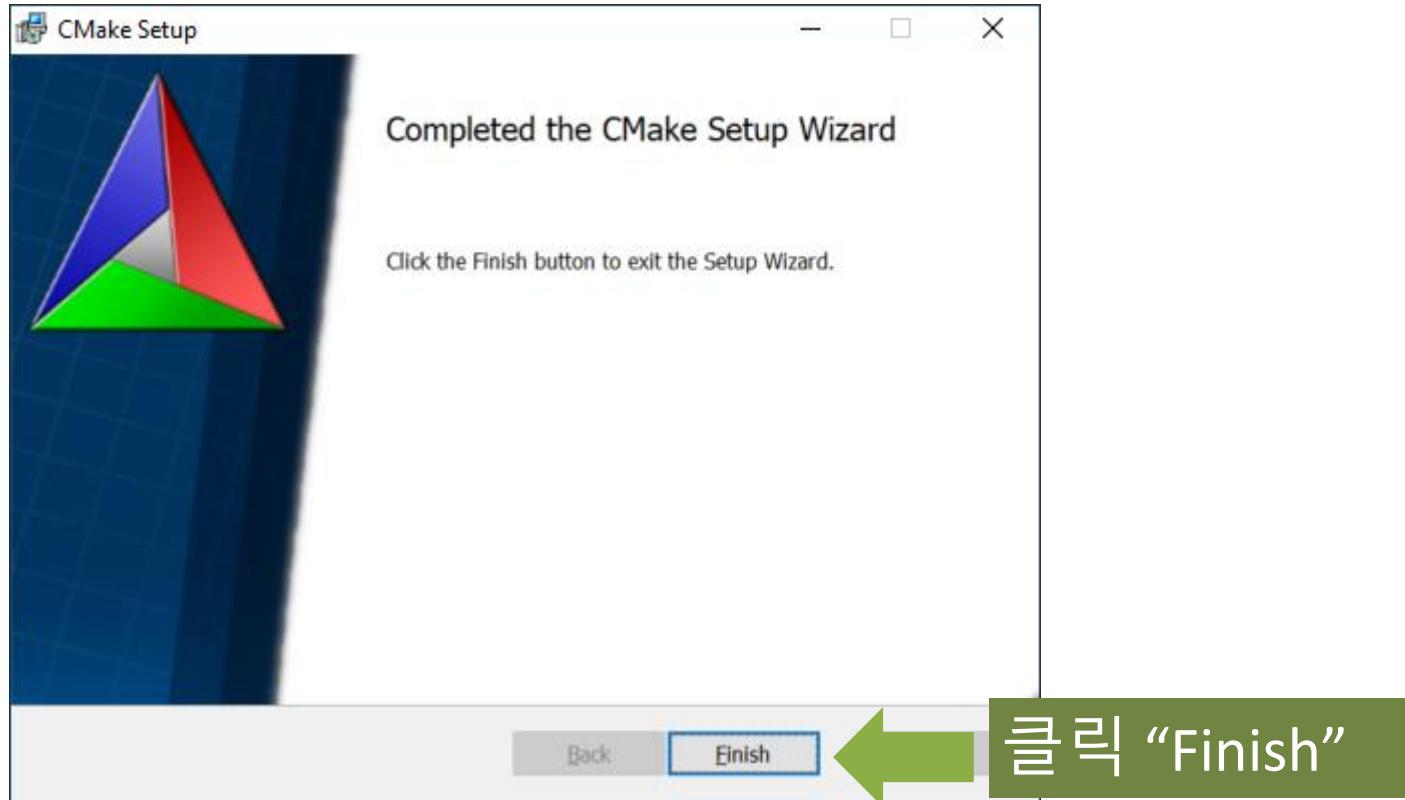
기본값으로  
유지하고 클릭  
“Next”

# 사전 설치 프로그램: CMake 설치

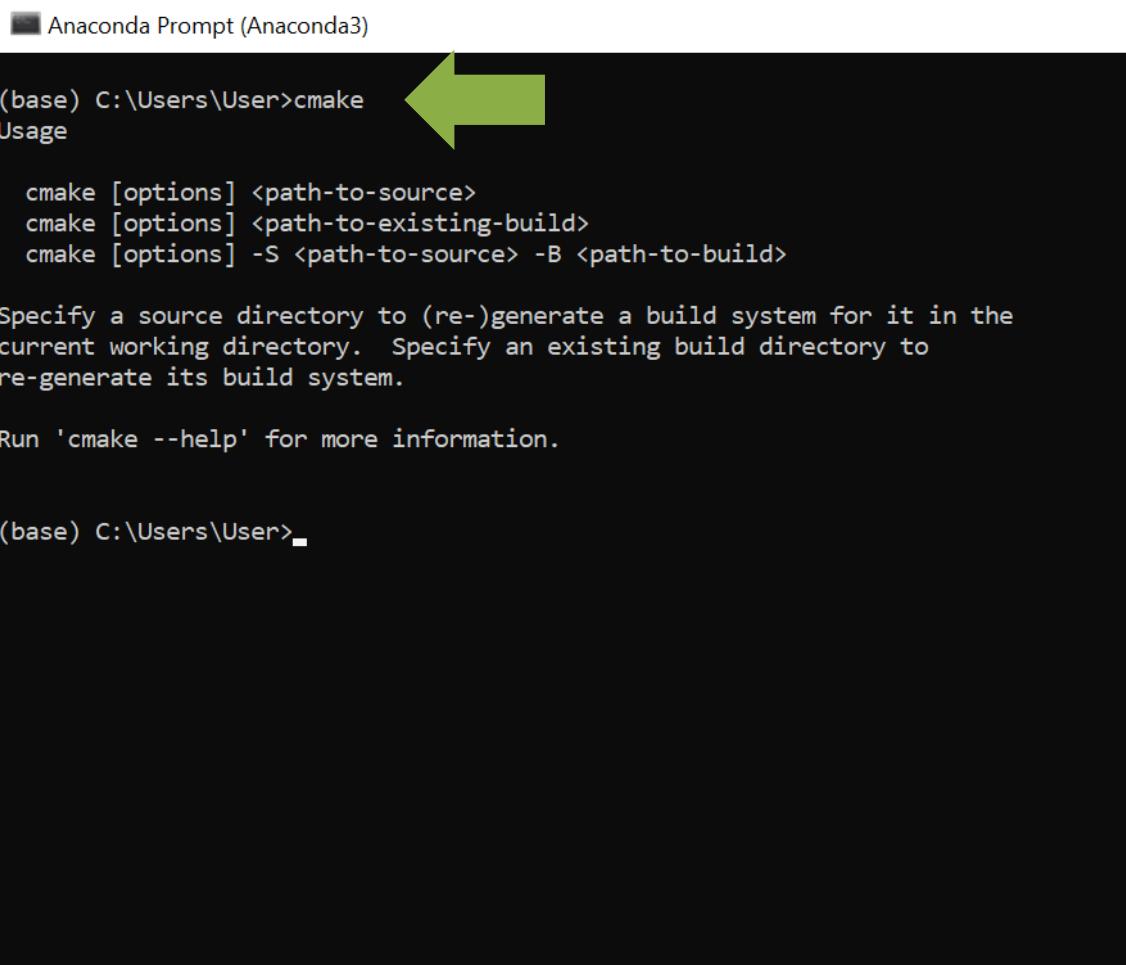


클릭 “Install”.  
Windows에서 보안  
질문이 표시되면 "Yes"를  
클릭하여 계속하십시오.

# 사전 설치 프로그램: CMake 설치



# 사전 설치 프로그램: CMake 설치



A screenshot of the Anaconda Prompt window titled "Anaconda Prompt (Anaconda3)". The prompt shows the command "cmake" followed by its usage information. A green arrow points from the text "cmake가 올바르게 설치되었는지 테스트하려면 다음을 수행하십시오:" to the "Usage" section of the terminal output.

```
(base) C:\Users\User>cmake
Usage

  cmake [options] <path-to-source>
  cmake [options] <path-to-existing-build>
  cmake [options] -S <path-to-source> -B <path-to-build>

Specify a source directory to (re-)generate a build system for it in the
current working directory. Specify an existing build directory to
re-generate its build system.

Run 'cmake --help' for more information.

(base) C:\Users\User>
```

cmake가 올바르게  
설치되었는지 테스트하려면  
다음을 수행하십시오:

1. Anaconda Prompt를 엽니다.
2. "cmake"를 입력하고 Enter 키를 누릅니다.  
올바르게 설치된 경우 표시된 대로 메시지가 표시됩니다.

# 사전 설치 프로그램: Visual Studio 2019 설치

(설치한 경우 이 단계를 건너뜁니다.)

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# 사전 설치 프로그램: Visual Studio 2019 설치

The screenshot shows a Google search results page with the query "download visual studio 2019" in the search bar. A green arrow points from the search bar to the search results. The first result is a link to Microsoft's download page for Visual Studio Tools, which includes links for Windows, Mac, and Linux. A second result is a link to Microsoft's older downloads page for Visual Studio 2019, 2017, and 2015. A third result is a link to Microsoft's documentation page for Visual Studio 2019 version 16.11. A large green box on the right side of the page contains the text "이 링크를 선택하십시오 :" followed by a URL: <https://docs.microsoft.com/ko-kr/visualstudio/releases/2019/release-notes>.

← → C google.com/search?q=download+visual+studio+2019&rlz=1C1CHWL\_koKR991KR991&sxsrf=APq-WBuT

Google 검색 “download visual studio”

전체 동영상 이미지 도서 뉴스 더보기 도구

검색결과 약 760,000,000개 (0.67초)

<https://visualstudio.microsoft.com/downloads> Visual Studio Tools 다운로드 - Windows, Mac, Linux용 무료 설치

3일 전 — Visual Studio IDE 또는 VS Code를 무료로 다운로드하세요.

[여기](#) · [개요](#) · [Visual Studio Preview](#) · [Visual Studio Express](#)

<https://visualstudio.microsoft.com/vs/older-downloads> Visual Studio 이전 다운로드 - 2019, 2017, 2015 및 이전 버전

2021. 12. 21. — 이전 버전의 Visual Studio Community, Professional 및 ...

<https://docs.microsoft.com/docs/visual-studio> Visual Studio 2019 버전 16.11 릴리스 정보

2022. 2. 8. — Visual Studio 2019 v16.11의 최신 기능, 버그 수정, 지원을 확인할 수 있는 모든 내용을 포함한 최신 버전입니다.

[Visual Studio 2019 버전 16...](#) · [Visual Studio 2019 버전 16.11.4](#)

이 링크를 선택하십시오 :  
<https://docs.microsoft.com/ko-kr/visualstudio/releases/2019/release-notes>

# 사전 설치 프로그램: Visual Studio 2019 설치

The screenshot shows a Microsoft Docs page for the Visual Studio 2019 version 16.11 release. The page title is "Visual Studio 2019 버전 16.11 릴리스 정보". The left sidebar has a "제목으로 필터링" section with categories like "Visual Studio", "Visual Studio 2022", "Visual Studio 2019", and "현재 릴리스 정보". The main content area features a green box titled "팁" with a tip about the Visual Studio 2022 start event. Below it is a paragraph about developer community links and download instructions. A large green button at the bottom left says "Download Community 2019". A green arrow points from this button to the text "Download Community 2019" in a callout box. The right sidebar lists related articles for Visual Studio 2019 versions 16.11.0 through 16.11.7, along with links for developer community, system requirements, and usage conditions.

Microsoft Docs 설명서 Learn Q&A 코드 샘플 쇼 이벤트 검색 Visual Studio 작업 언어 앱 플랫폼 추가 Visual Studio 리소스 Visual Studio 영어로 읽기 저장 Docs / Visual Studio / Visual Studio 2019 / 현재 릴리스 정보 ① 이 항목의 일부는 기계 번역되어 있을 수 있습니다.

## Visual Studio 2019 버전 16.11 릴리스 정보

아티클 · 2022. 02. 09. · 읽는 데 25분 걸림

팁

Visual Studio 2022 시작 이벤트의 기록을 시청 하여 새로운 기능에 대해 알아보고, 팁 & 트릭을 듣고, 무료 digital swag를 다운로드 하세요.

Developer Community | 시스템 요구 사항 | 호환성 | 배포 가능 코드 | 사용 조건 | 블로그 | 최신 릴리스의 알려진 문제 | Visual Studio의 새로운 기능 문서

단추를 클릭하여 최신 버전의 Visual Studio 2019를 다운로드합니다. Visual Studio 2019 설치 및 업데이트에 대한 지침은 [Visual Studio 2019를 최신 릴리스 버전으로 업데이트](#)를 참조하세요. 또한 [오프라인으로 설치하는 방법](#)에 대한 지침도 참조하세요.

Download Community 2019

### “Download Community 2019” 클릭

### Visual Studio 2019 버전 16.11의 새로운 기능

이 문서의 내용

- Visual Studio 2019 버전 16.11의 새로운 기능
- Visual Studio 2019 버전 16.11.10
- Visual Studio 2019 버전 16.11.9
- Visual Studio 2019 버전 16.11.8
- Visual Studio 2019 버전 16.11.7
- Visual Studio 2019 버전 16.11.6
- Visual Studio 2019 버전 16.11.5
- Visual Studio 2019 버전 16.11.4
- Visual Studio 2019 버전 16.11.3
- Visual Studio 2019 버전 16.11.2
- Visual Studio 2019 버전 16.11.1
- Visual Studio 2019 버전 16.11.0
- 알려진 문제
- 피드백 및 제안

# 사전 설치 프로그램: Visual Studio 2019 설치

The screenshot shows a web browser displaying the Microsoft Visual Studio download page at [visualstudio.microsoft.com/ko/thank-you-downloading-visual-studio/?sku=Community&channel=Release&version=VS2022...](https://visualstudio.microsoft.com/ko/thank-you-downloading-visual-studio/?sku=Community&channel=Release&version=VS2022...). The page features a large purple banner with the text "Visual Studio를 다운로드해 주셔서 감사합니다." (Thank you for downloading Visual Studio). Below the banner, it says "다운로드가 곧 시작됩니다. 다운로드가 시작되지 않으면 [여기](#)를 클릭하여 다시 시도하세요" (Download will start soon. If download does not start, click here to try again). To the left, there's a sidebar with links for "시작" (Start), "팔로우" (Follow) with social icons for YouTube, Twitter, and Facebook, and a link to "개발자 커뮤니티 뉴스레터에 등록" (Register for developer community newsletter). A green callout box on the right contains the text "설치 프로그램을 성공적으로 다운로드 한 후에는 클릭하십시오. Windows에서 보안 질문이 보이면 "예"를 클릭하여 계속 진행하십시오" (Click after successfully downloading the setup program. If a security question appears in Windows, click "Yes" to continue). A green arrow points from the bottom left towards the "VisualStudioSetup.exe" file icon at the bottom left.

← → ⌂ visualstudio.microsoft.com/ko/thank-you-downloading-visual-studio/?sku=Community&channel=Release&version=VS2022...

Microsoft | Visual Studio 제품 다운로드 구입 자세히 무료 Visual Studio Microsoft 전체 로그

Visual Studio를 다운로드해 주셔서 감사합니다.

다운로드가 곧 시작됩니다. 다운로드가 시작되지 않으면 [여기](#)를 클릭하여 다시 시도하세요

시작

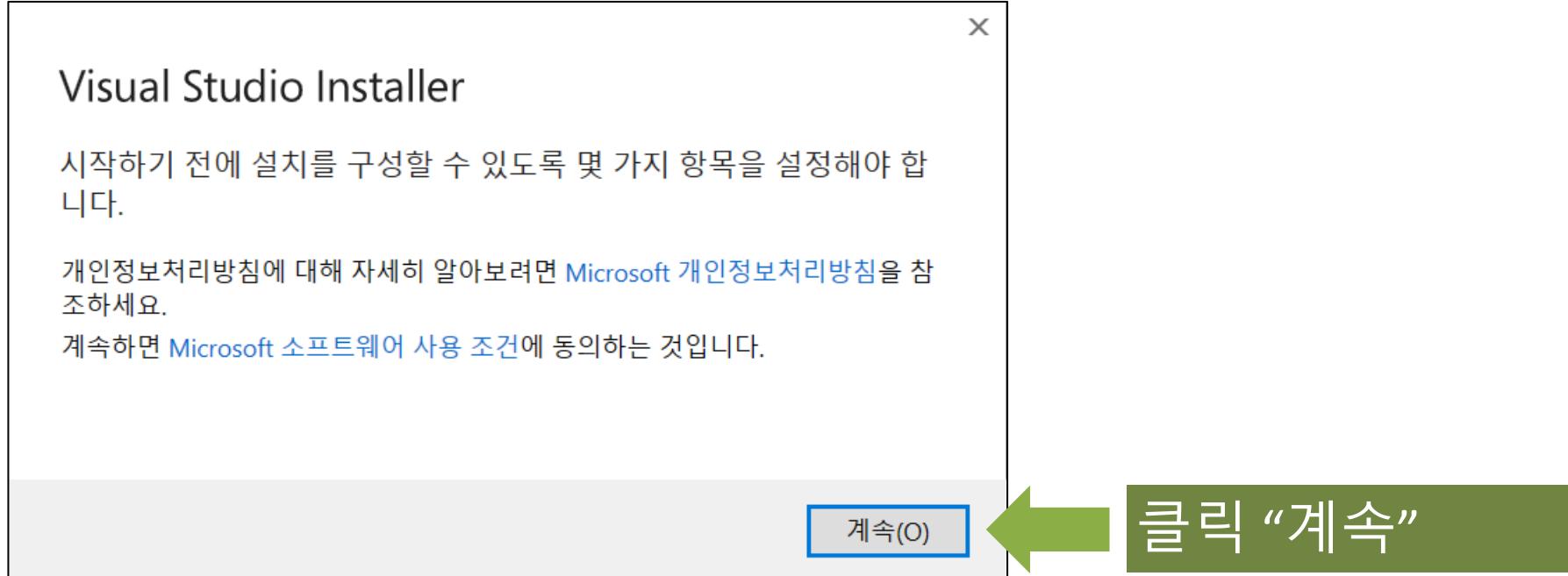
팔로우

개발자 커뮤니티 뉴스레터에 등록 >

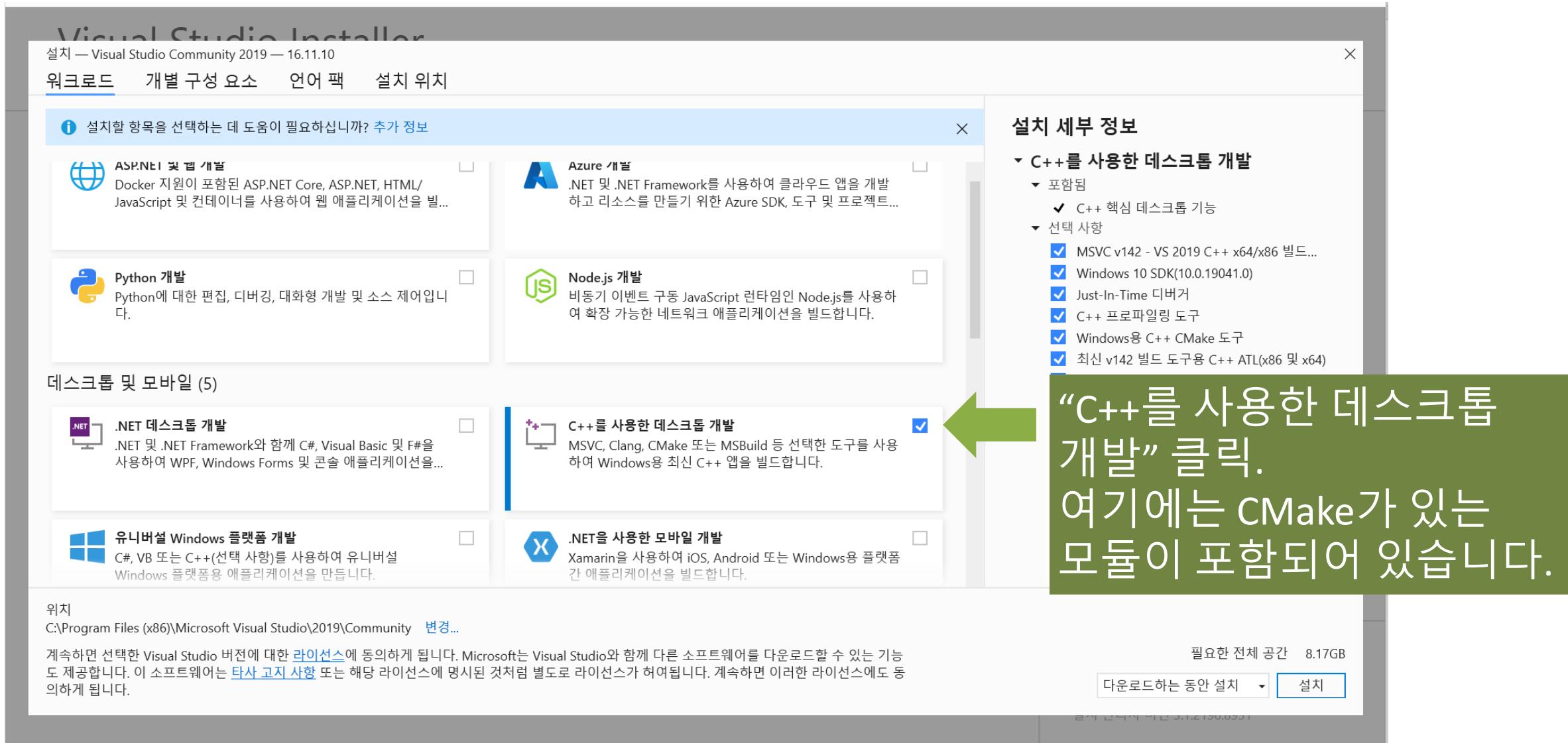
VisualStudioSetup.exe

설치 프로그램을 성공적으로 다운로드 한 후에는 클릭하십시오.  
Windows에서 보안 질문이 보이면 "예"를 클릭하여 계속 진행하십시오

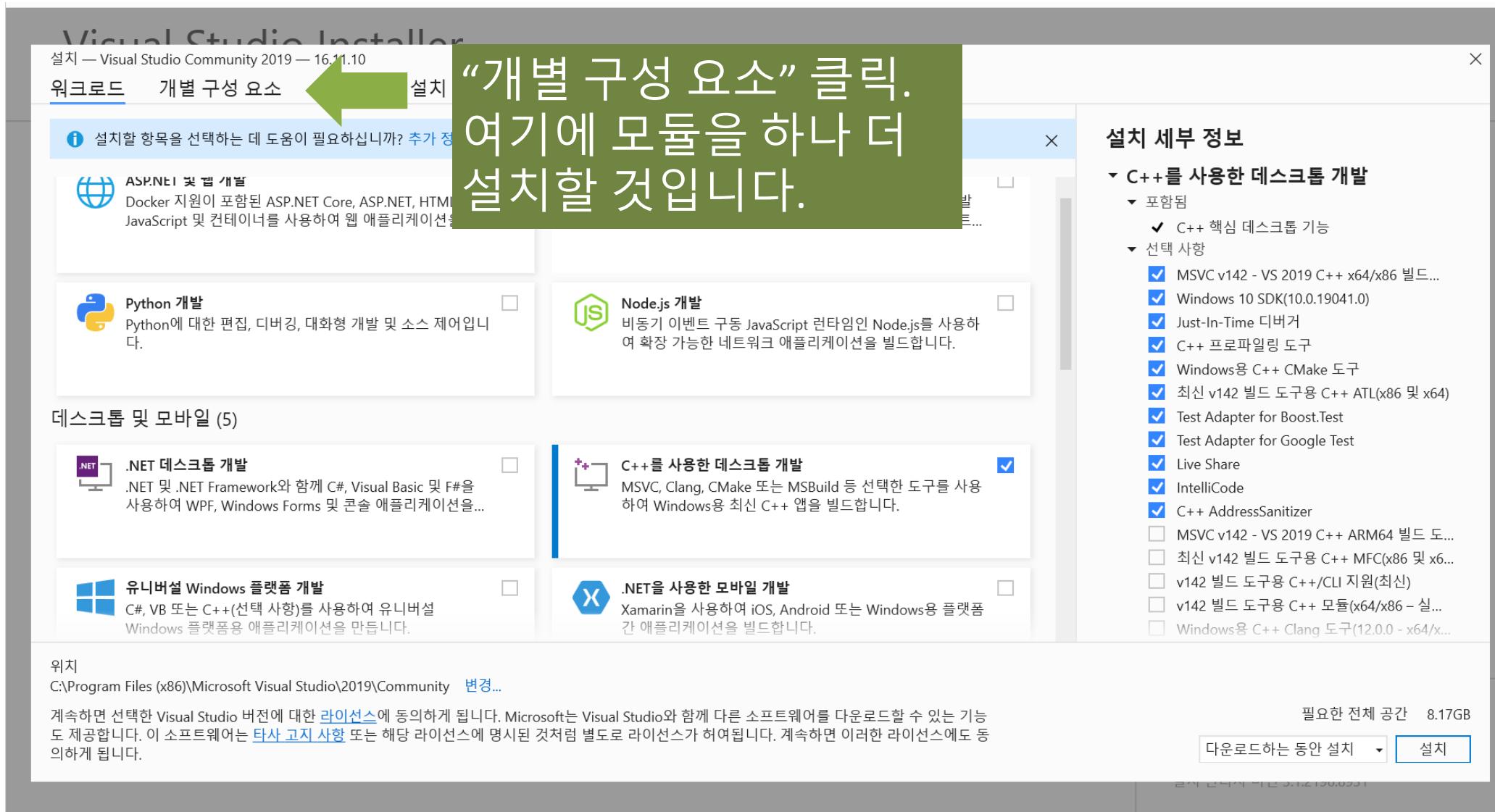
# 사전 설치 프로그램: Visual Studio 2019 설치



# 사전 설치 프로그램: Visual Studio 2019 설치



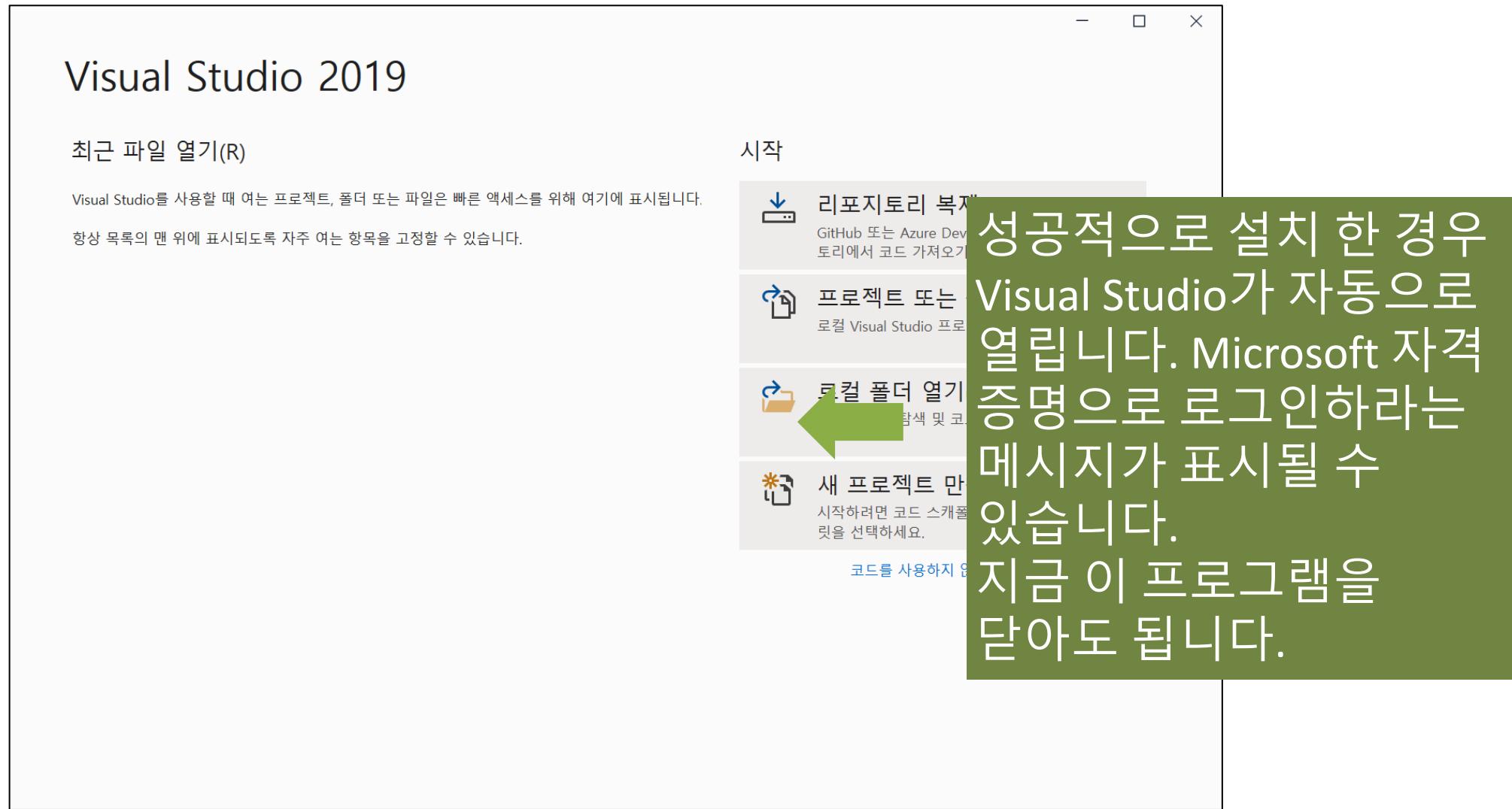
# 사전 설치 프로그램: Visual Studio 2019 설치



# 사전 설치 프로그램: Visual Studio 2019 설치



# 사전 설치 프로그램: Visual Studio 2019 설치

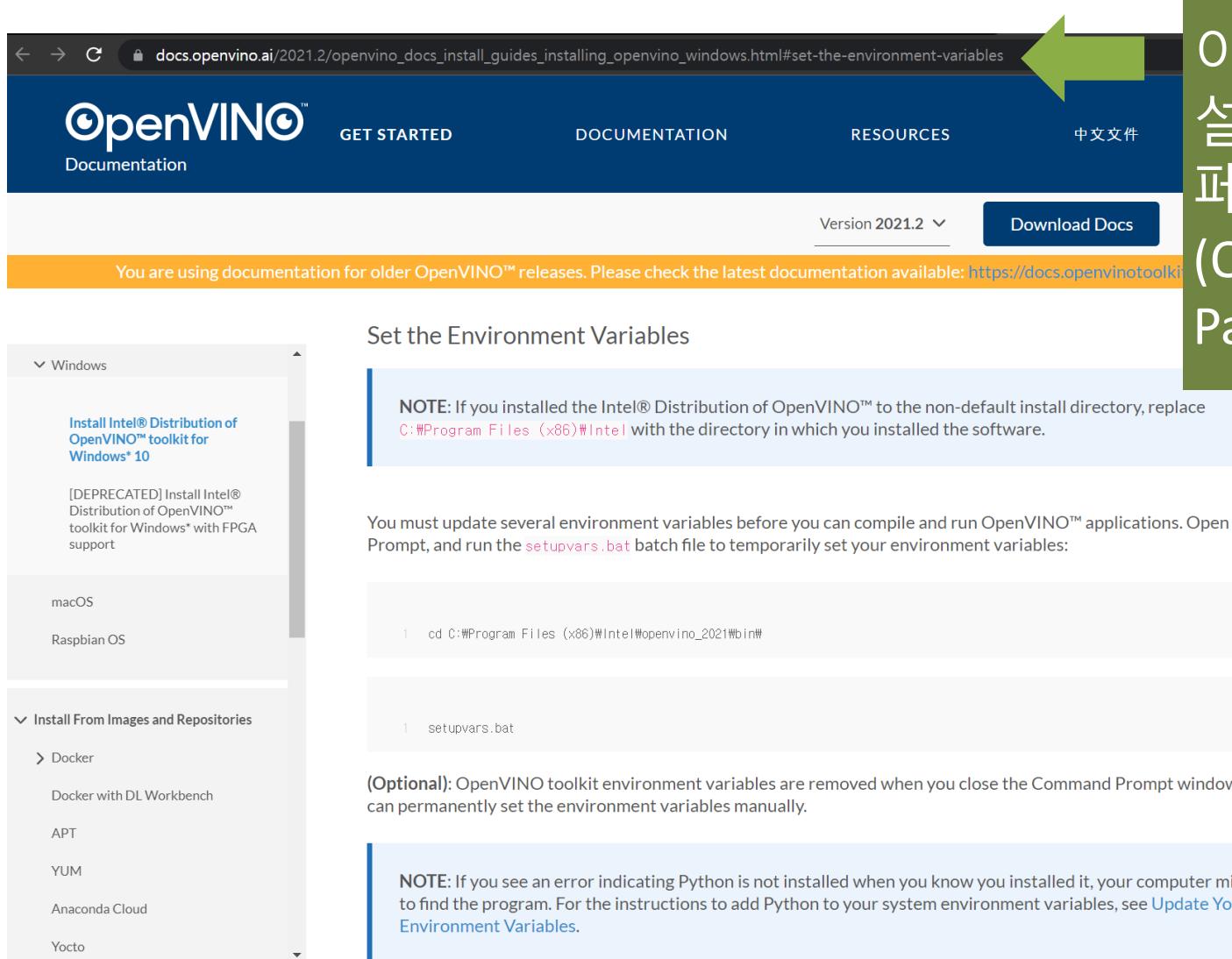


# OpenVINO 설치- Part 2

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# OpenVINO 설치 Part 2



The screenshot shows the OpenVINO Documentation website for Windows. The URL in the address bar is [docs.openvino.ai/2021.2/openvino\\_docs\\_install\\_guides/installing\\_openvino\\_windows.html#set-the-environment-variables](https://docs.openvino.ai/2021.2/openvino_docs_install_guides/installing_openvino_windows.html#set-the-environment-variables). The page title is "Set the Environment Variables". On the left, there's a sidebar with sections for Windows (including "Install Intel® Distribution of OpenVINO™ toolkit for Windows\* 10" and "[DEPRECATED] Install Intel® Distribution of OpenVINO™ toolkit for Windows\* with FPGA support"), macOS, Raspbian OS, and "Install From Images and Repositories" (Docker, Docker with DL Workbench, APT, YUM, Anaconda Cloud, Yocto). The main content area has a note about environment variable replacement and instructions for running setupvars.bat in the Command Prompt. A note at the bottom explains that environment variables are removed when closing the Command Prompt window and suggests manually setting them.

NOTE: If you installed the Intel® Distribution of OpenVINO™ to the non-default install directory, replace `C:\Program Files (x86)\Intel\openvino_2021\bin` with the directory in which you installed the software.

You must update several environment variables before you can compile and run OpenVINO™ applications. Open the Command Prompt, and run the `setupvars.bat` batch file to temporarily set your environment variables:

```
1 cd C:\Program Files (x86)\Intel\openvino_2021\bin
```

```
1 setupvars.bat
```

(Optional): OpenVINO toolkit environment variables are removed when you close the Command Prompt window. As an option, you can permanently set the environment variables manually.

NOTE: If you see an error indicating Python is not installed when you know you installed it, your computer might not be able to find the program. For the instructions to add Python to your system environment variables, see [Update Your Windows Environment Variables](#).

이전에 OpenVINO를 설치했을 때 이 페이지에서 끝났습니다.  
(OpenVINO Installer 설치 Part 1).

# OpenVINO 설치 Part 2

The screenshot shows a web browser displaying the OpenVINO Documentation page for the 'Set the Environment Variables' section. The URL in the address bar is [docs.openvino.ai/2021.2/openvino\\_docs\\_install\\_guides/installing\\_openvino\\_windows.html#set-the-environment-variables](https://docs.openvino.ai/2021.2/openvino_docs_install_guides/installing_openvino_windows.html#set-the-environment-variables). The page includes a navigation bar with links for 'GET STARTED', 'DOCUMENTATION', 'RESOURCES', and '中文文件'. A search bar is also present. A note at the top states: 'You are using documentation for older OpenVINO™ releases. Please check the latest documentation available: <https://docs.openvinotoolkit.org>'. Below this, the main content title is 'Set the Environment Variables'. A note provides instructions for non-default installations: 'NOTE: If you installed the Intel® Distribution of OpenVINO™ to the non-default install directory, replace C:\Program Files (x86)\Intel\ with the directory in which you installed the software.' A code block shows command-line steps: 'cd C:\Program Files (x86)\Intel\openvino\_2021\bin' and 'setupvars.bat'. An optional note explains how to permanently set variables. On the left sidebar, there are sections for 'Windows' (with 'Install Intel® Distribution of OpenVINO™ toolkit for Windows\* 10' and '[DEPRECATED] Install Intel® Distribution of OpenVINO™ toolkit for Windows\* with FPGA support'), 'macOS', 'Raspbian OS', and 'Install From Images and Repositories' (with 'Docker', 'APT', 'YUM', 'Anaconda Cloud', and 'Yocto'). A large green callout box on the right side contains Korean text: '이제 환경을 설정하겠습니다. 클립보드에 복사할 아이콘을 클릭합니다.' (Now we will set the environment. Click the icon copied to the clipboard). Two green arrows point from the text to the copy icons next to the command-line examples.

이제 환경을  
설정하겠습니다.  
클립보드에 복사할  
아이콘을 클릭합니다.

NOTE: If you installed the Intel® Distribution of OpenVINO™ to the non-default install directory, replace C:\Program Files (x86)\Intel\ with the directory in which you installed the software.

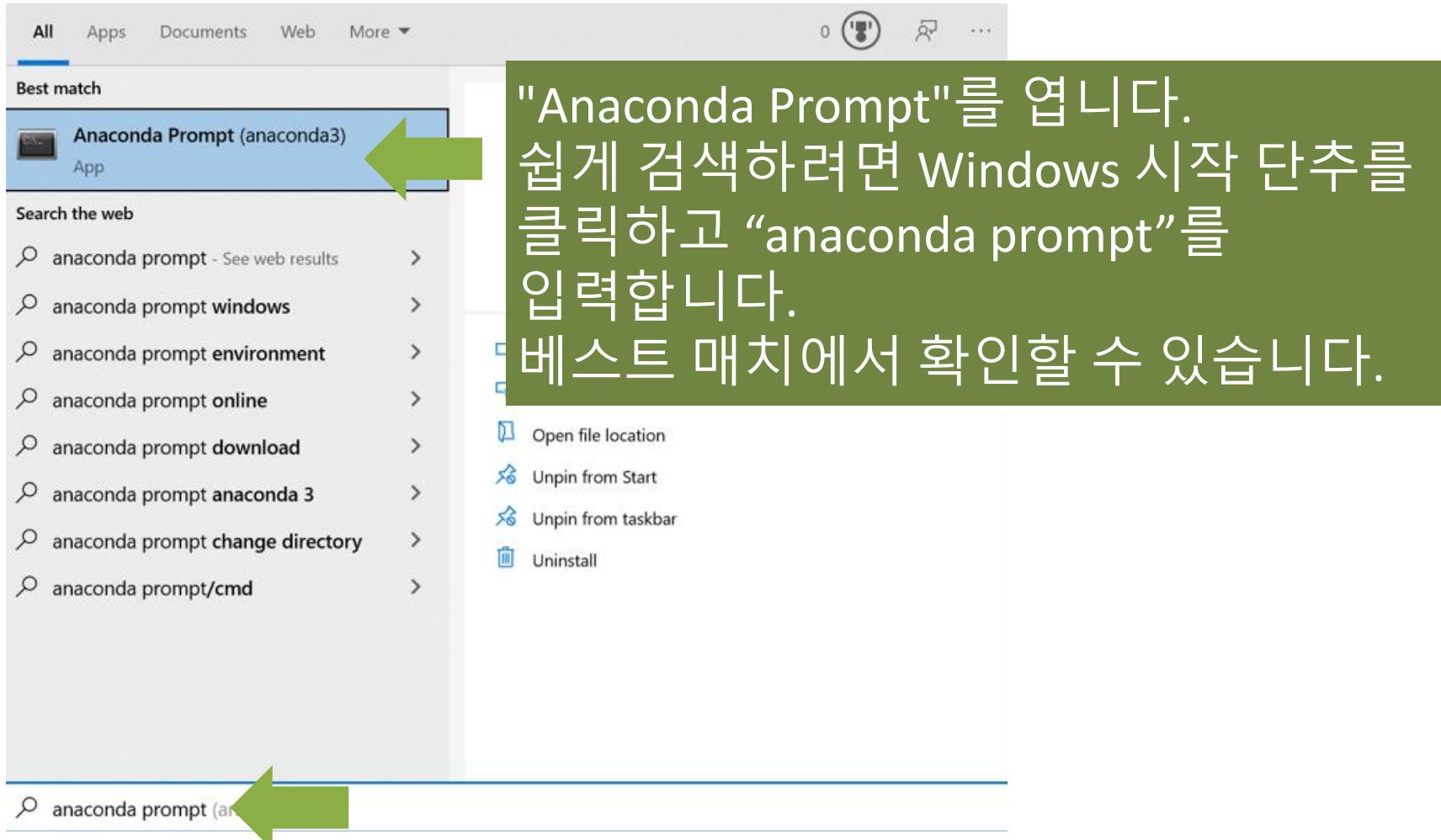
```
1 cd C:\Program Files (x86)\Intel\openvino_2021\bin
```

```
1 setupvars.bat
```

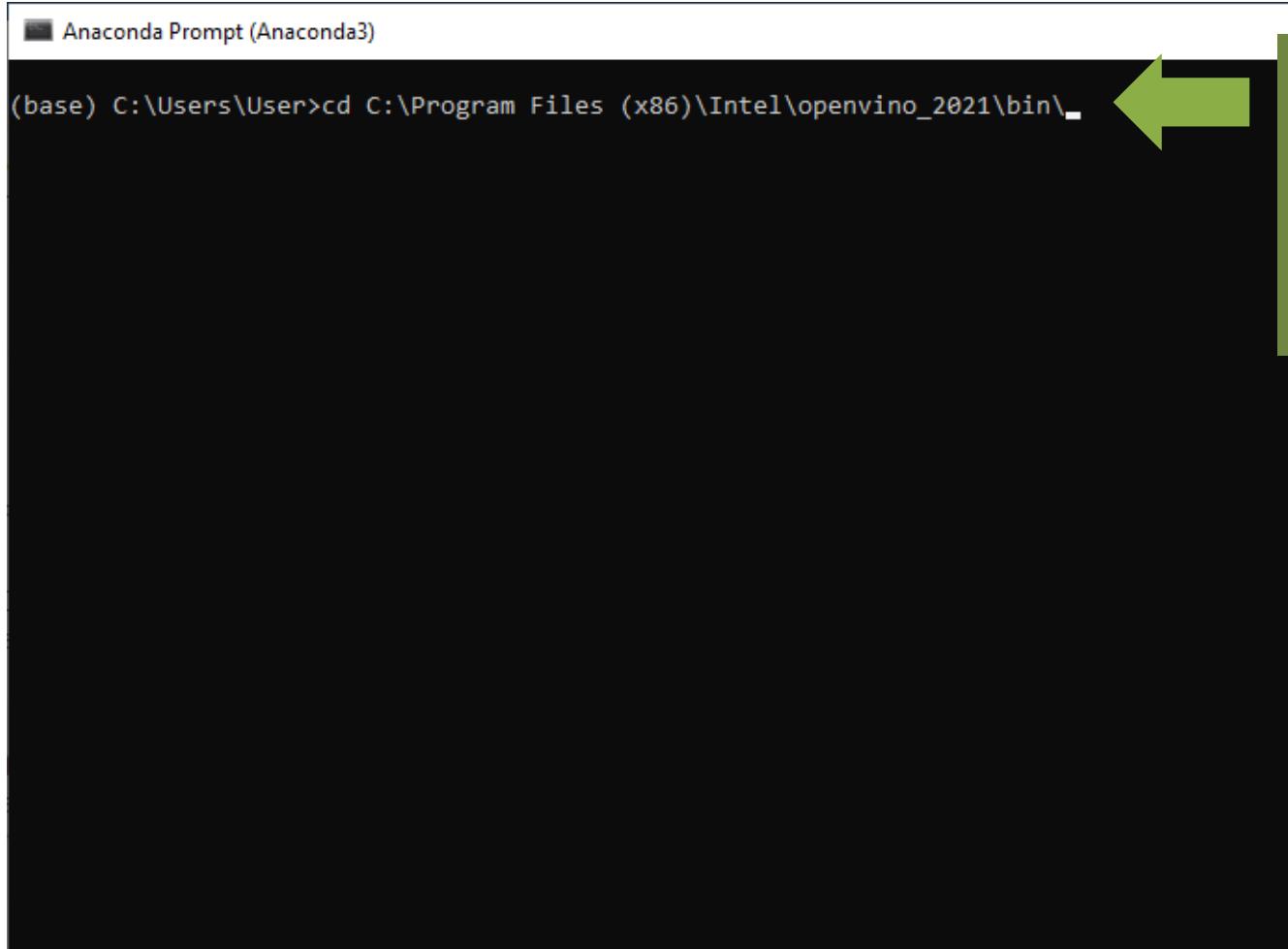
(Optional): OpenVINO toolkit environment variables are removed when you close the Command Prompt window. As an option, you can permanently set the environment variables manually.

NOTE: If you see an error indicating Python is not installed when you know you installed it, your computer might not be able to find the program. For the instructions to add Python to your system environment variables, see [Update Your Windows Environment Variables](#).

# OpenVINO 설치 Part 2



# OpenVINO 설치 Part 2



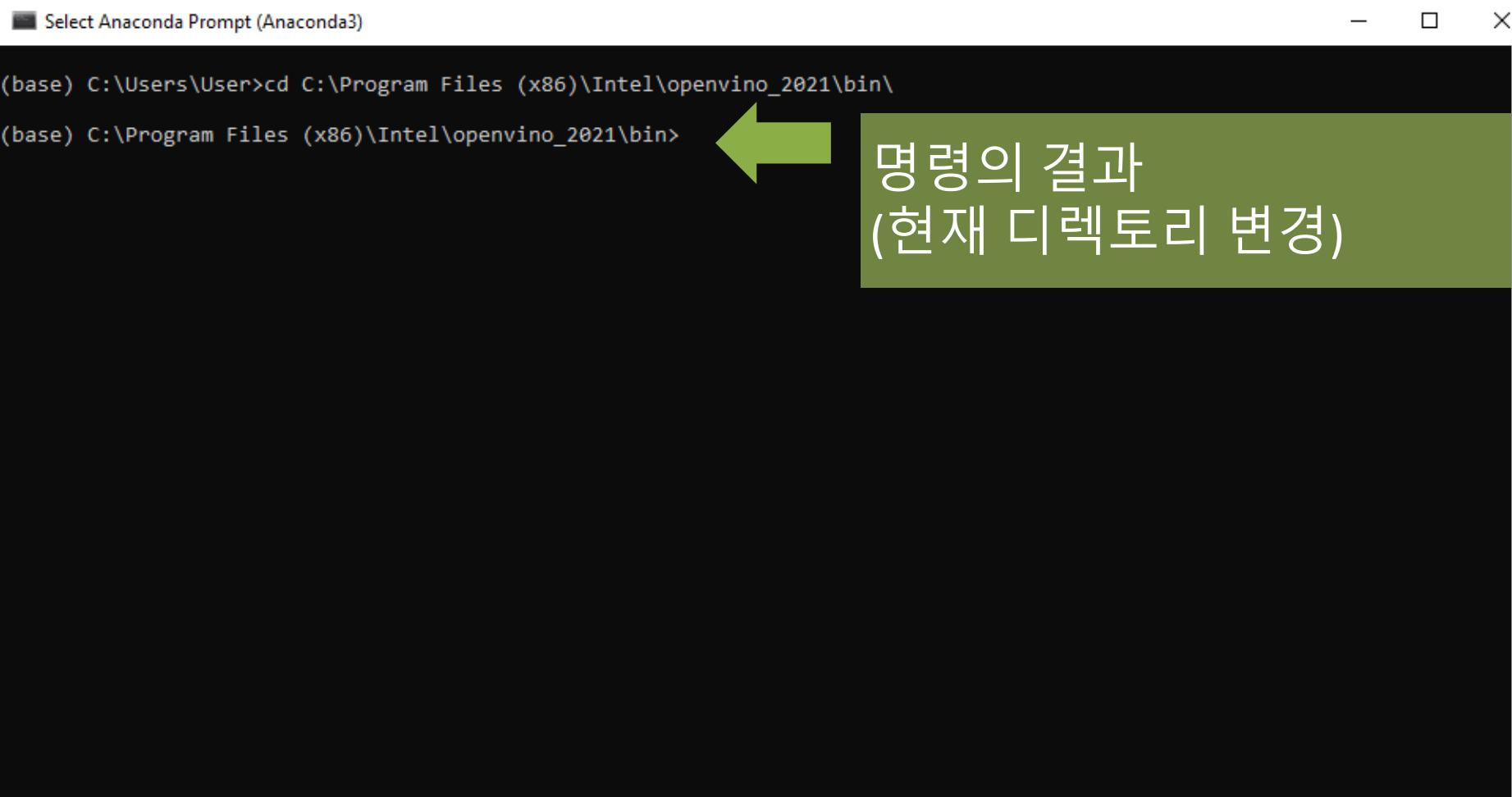
Anaconda Prompt (Anaconda3)

```
(base) C:\Users\User>cd C:\Program Files (x86)\Intel\openvino_2021\bin\_-
```

A green arrow points from the explanatory text box to the command line in the prompt window.

Anaconda 프롬프트를 마우스 오른쪽 버튼으로 클릭하여 명령을 붙여 넣습니다.  
그런 다음 Enter 키를 누릅니다.

# OpenVINO 설치 Part 2



```
Select Anaconda Prompt (Anaconda3)

(base) C:\Users\User>cd C:\Program Files (x86)\Intel\openvino_2021\bin\
```

명령의 결과  
(현재 디렉토리 변경)

A green arrow points from the explanatory text on the right towards the terminal window.

# OpenVINO 설치 Part 2

The screenshot shows a web browser displaying the OpenVINO Documentation page for Windows. The URL in the address bar is [docs.openvino.ai/2021.2/openvino\\_docs\\_install\\_guides/installing\\_openvino\\_windows.html#set-the-environment-variables](https://docs.openvino.ai/2021.2/openvino_docs_install_guides/installing_openvino_windows.html#set-the-environment-variables). The page title is "Set the Environment Variables". A sidebar on the left lists installation methods: "Windows" (selected), "macOS", "Raspbian OS", and "Install From Images and Repositories" (Docker, Docker with DL Workbench, APT, YUM, Anaconda Cloud, Yocto). The main content area contains a note about environment variable replacement, instructions for running setupvars.bat in the Command Prompt, and an optional manual setting note. A green callout box with Korean text "클립보드에 복사할 아이콘 클릭" (Copy icon to clipboard) points to the "setupvars.bat" command in the code block.

You are using documentation for older OpenVINO™ releases. Please check the latest documentation available: <https://docs.openvinotoolkit.org/nightly/index.html>

## Set the Environment Variables

**NOTE:** If you installed the Intel® Distribution of OpenVINO™ to the non-default install directory, replace `C:\Program Files (x86)\Intel\` with the directory in which you installed the software.

You must update several environment variables before you can compile and run OpenVINO™ applications. Open the Command Prompt, and run the `setupvars.bat` batch file to temporarily set your environment variables:

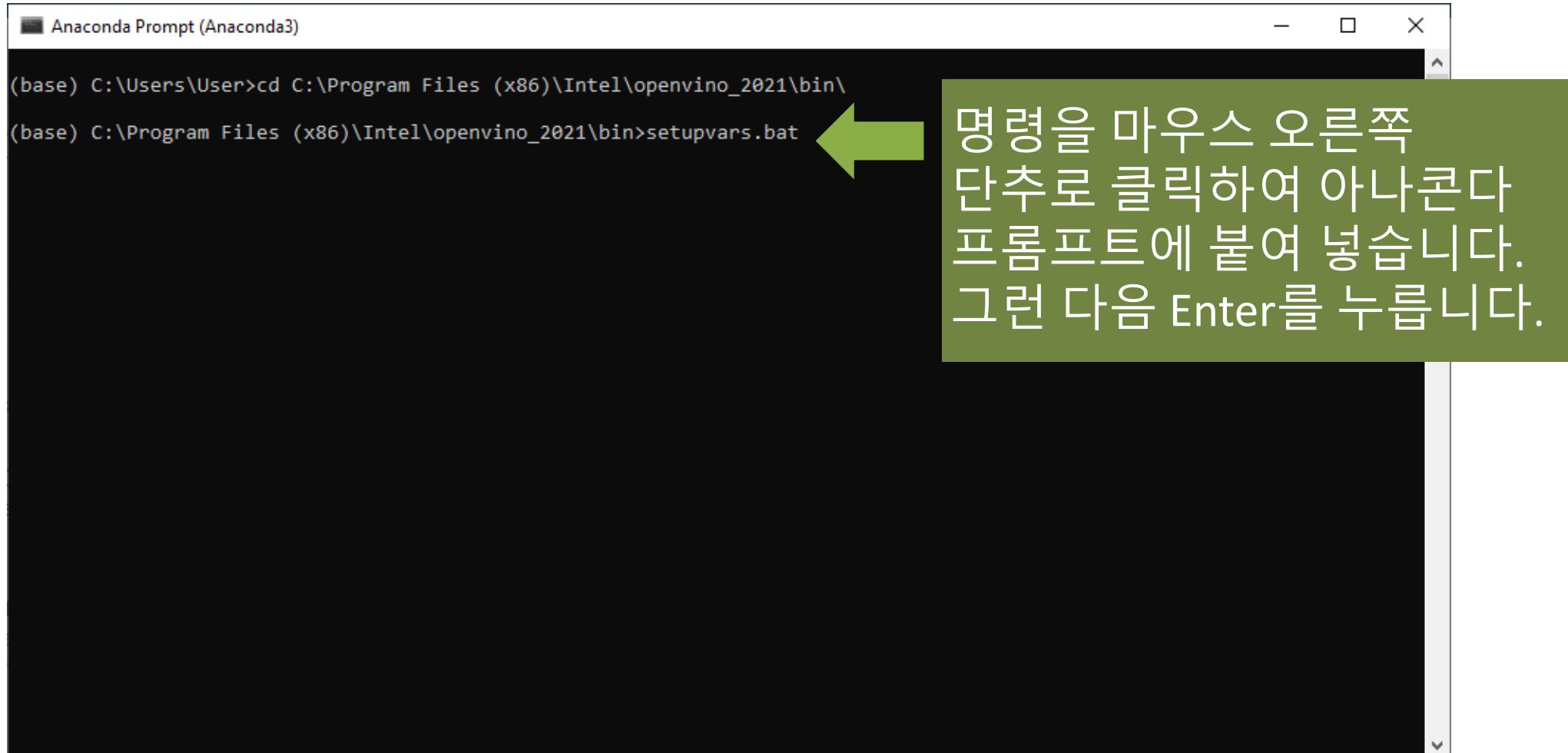
```
1 cd C:\Program Files (x86)\Intel\openvino_2021\bin  
2 setupvars.bat
```

**(Optional):** OpenVINO toolkit environment variables are removed when you close the Command Prompt window. As an option, you can permanently set the environment variables manually.

**NOTE:** If you see an error indicating Python is not installed when you know you installed it, your computer might not be able to find the program. For the instructions to add Python to your system environment variables, see [Update Your Windows Environment Variables](#).

클립보드에  
복사할  
아이콘  
클릭

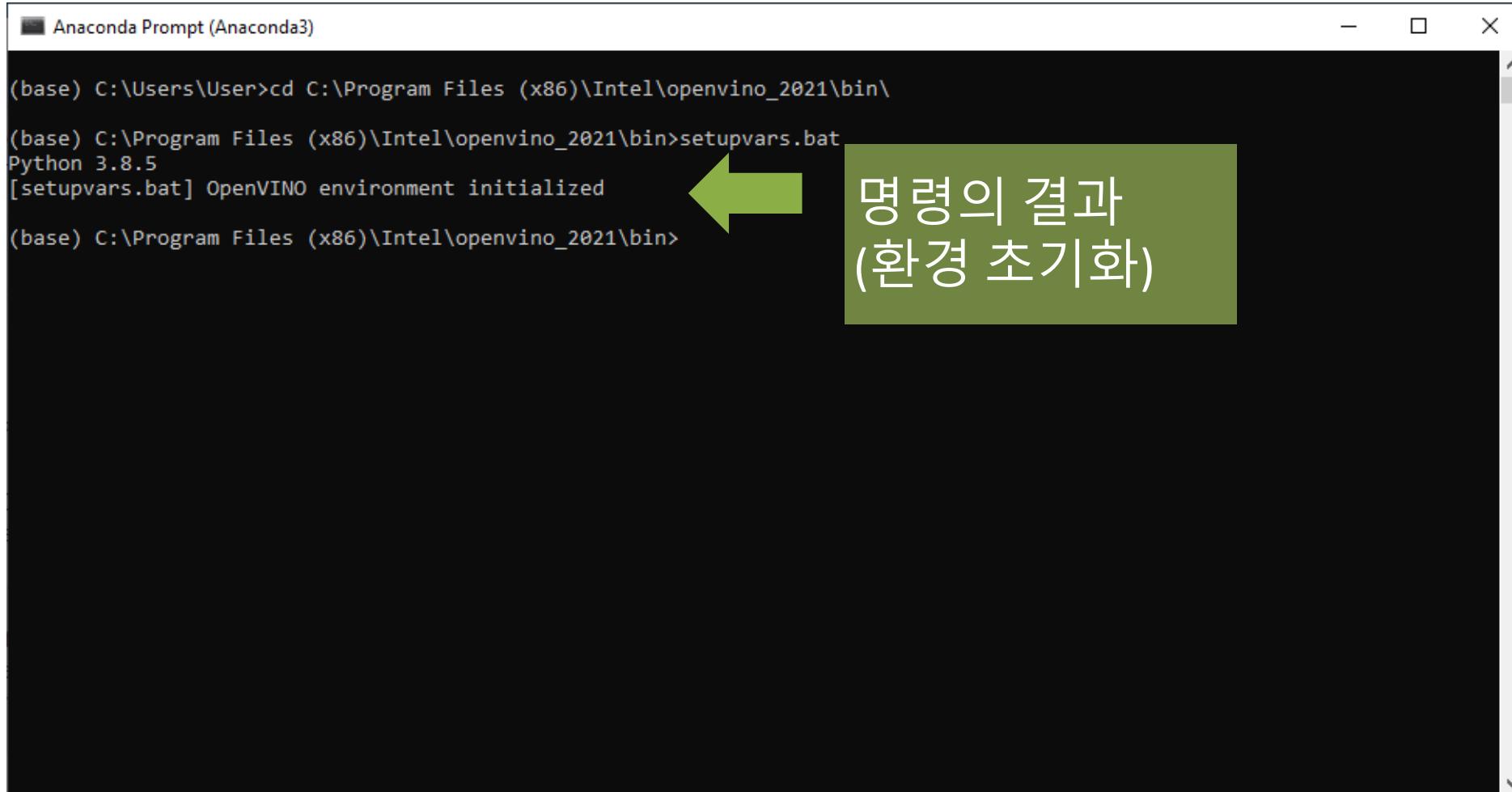
# OpenVINO 설치 Part 2



```
Anaconda Prompt (Anaconda3)
(base) C:\Users\User>cd C:\Program Files (x86)\Intel\openvino_2021\bin\
(base) C:\Program Files (x86)\Intel\openvino_2021\bin>setupvars.bat
```

명령을 마우스 오른쪽  
단추로 클릭하여 아나콘다  
프롬프트에 붙여 넣습니다.  
그런 다음 Enter를 누릅니다.

# OpenVINO 설치 Part 2



The screenshot shows a terminal window titled "Anaconda Prompt (Anaconda3)". The command entered was "cd C:\Program Files (x86)\Intel\openvino\_2021\bin\" followed by "setupvars.bat". The output indicates that the OpenVINO environment was initialized successfully. A green arrow points from a callout box to the "setupvars.bat" command in the terminal.

```
(base) C:\Users\User>cd C:\Program Files (x86)\Intel\openvino_2021\bin\  
(base) C:\Program Files (x86)\Intel\openvino_2021\bin>setupvars.bat  
Python 3.8.5  
[setupvars.bat] OpenVINO environment initialized  
(base) C:\Program Files (x86)\Intel\openvino_2021\bin>
```

명령의 결과  
(환경 초기화)

# OpenVINO 설치 Part 2

The screenshot shows the OpenVINO Documentation website for Version 2021.2. The main navigation bar includes links for GET STARTED, DOCUMENTATION, RESOURCES, and 中文文件 (Chinese). Below the navigation is a search bar. A banner at the top of the page reads: "You are using documentation for older OpenVINO™ releases. Please check the latest documentation available: <https://docs.openvino-toolkit.org/nightly/index.htm>". The left sidebar lists installation options for Windows, macOS, and Raspbian OS. Under Windows, there are links for "Install Intel® Distribution of OpenVINO™ toolkit for Windows\* 10" and "[DEPRECATED] Install Intel® Distribution of OpenVINO™ toolkit for Windows\* with FPGA support". The right sidebar contains steps for Model Optimizer prerequisites and a command prompt window showing the command "cd C:\Program Files (x86)\Intel\openvino\_2021\deployment\_tools\model\_optimizer\install\_prerequisites". Step 2 instructs running "install\_prerequisites.bat".

이제 모든 프레임워크에 대해  
모델 최적화 프로그램을  
구성합니다(옵션 1).  
클립보드에 복사할 아이콘을  
클릭합니다.



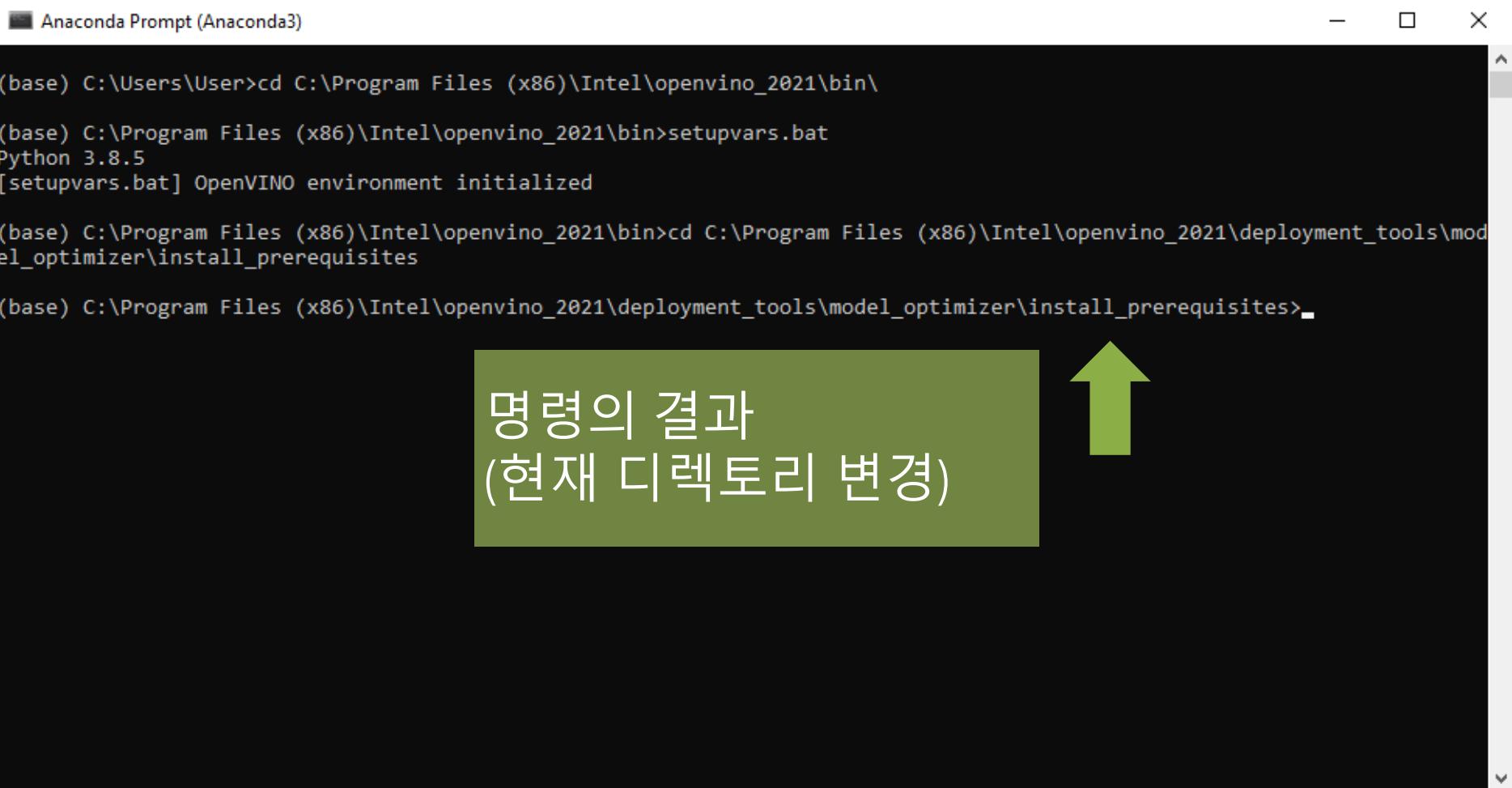
# OpenVINO 설치 Part 2



```
Anaconda Prompt (Anaconda3)
(base) C:\Users\User>cd C:\Program Files (x86)\Intel\openvino_2021\bin\
(base) C:\Program Files (x86)\Intel\openvino_2021\bin>setupvars.bat
Python 3.8.5
[setupvars.bat] OpenVINO environment initialized
(base) C:\Program Files (x86)\Intel\openvino_2021\bin>cd C:\Program Files (x86)\Intel\openvino_2021\deployment_tools\model_optimizer\install_prerequisites
```

명령을 마우스 오른쪽  
단추로 클릭하여  
아나콘다 프롬프트에  
붙여 넣습니다.  
그런 다음 Enter를  
누릅니다.

# OpenVINO 설치 Part 2



```
Anaconda Prompt (Anaconda3)
(base) C:\Users\User>cd C:\Program Files (x86)\Intel\openvino_2021\bin\
(base) C:\Program Files (x86)\Intel\openvino_2021\bin>setupvars.bat
Python 3.8.5
[setupvars.bat] OpenVINO environment initialized
(base) C:\Program Files (x86)\Intel\openvino_2021\bin>cd C:\Program Files (x86)\Intel\openvino_2021\deployment_tools\model_optimizer\install_prerequisites
(base) C:\Program Files (x86)\Intel\openvino_2021\deployment_tools\model_optimizer\install_prerequisites>
```

명령의 결과  
(현재 디렉토리 변경)

# OpenVINO 설치 Part 2

docs.openvino.ai/2021.2/openvino\_docs\_install\_guides\_installing\_openvino\_windows.html#set-the-environment-variables

**OpenVINO™**  
Documentation

GET STARTED DOCUMENTATION RESOURCES 中文文件

Version 2021.2 ▾ Download Docs Install OpenVINO™

You are using documentation for older OpenVINO™ releases. Please check the latest documentation available: <https://docs.openvinotoolkit.org/nightly/index.htm>

1. Open a command prompt. To do so, type `cmd` in your **Search Windows** box and then press **Enter**. Type commands in the opened window:

Command Prompt  
Microsoft Windows [Version 10.0.14393]  
(c) 2016 Microsoft Corporation. All rights reserved.  
C:\>

1. Go to the Model Optimizer prerequisites directory.

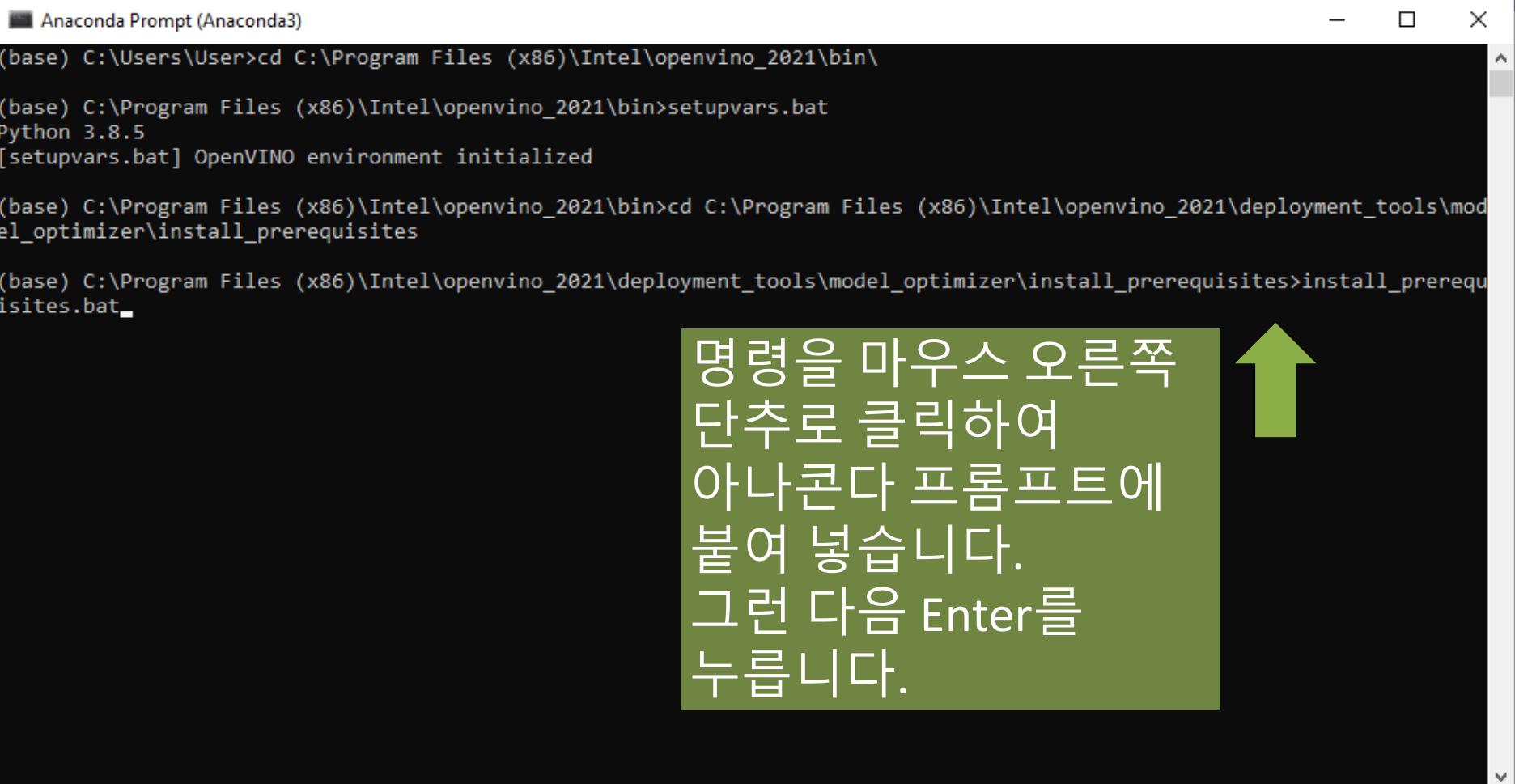
```
1 cd C:\Program Files (x86)\Intel\openvino_2021\deployment_tools\model_optimizer\install_prerequisites
```

2. Run the following batch file to configure the Model Optimizer for Caffe\*, TensorFlow\* 1.x, MXNet\*, Kaldi\*, and ONNX\*:

```
1 install_prerequisites.bat
```

클립보드에  
복사할  
아이콘  
클릭

# OpenVINO 설치 Part 2



```
Anaconda Prompt (Anaconda3)
(base) C:\Users\User>cd C:\Program Files (x86)\Intel\openvino_2021\bin\
(base) C:\Program Files (x86)\Intel\openvino_2021\bin>setupvars.bat
Python 3.8.5
[setupvars.bat] OpenVINO environment initialized

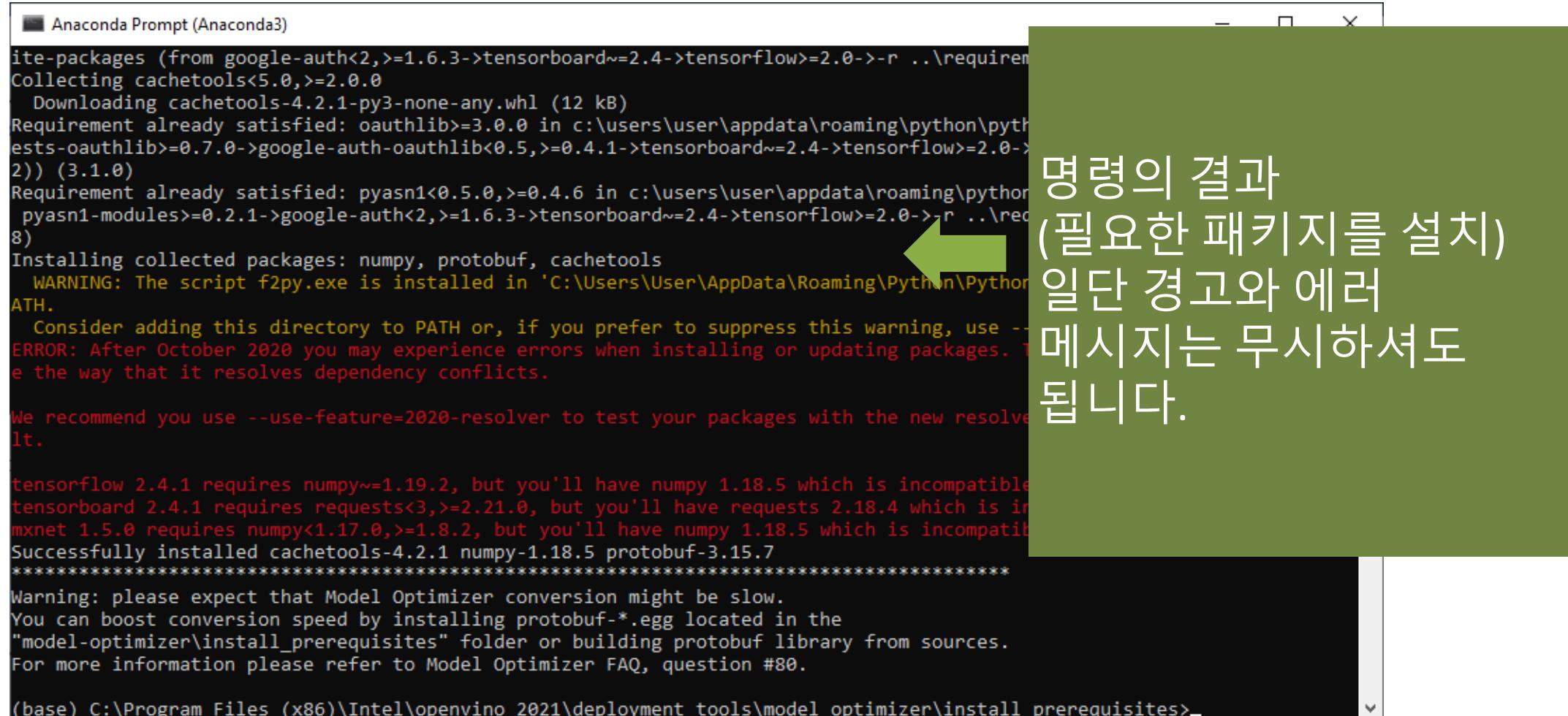
(base) C:\Program Files (x86)\Intel\openvino_2021\bin>cd C:\Program Files (x86)\Intel\openvino_2021\deployment_tools\model_optimizer\install_prerequisites

(base) C:\Program Files (x86)\Intel\openvino_2021\deployment_tools\model_optimizer\install_prerequisites>install_prerequisites.bat
```

명령을 마우스 오른쪽  
단추로 클릭하여  
아나콘다 프롬프트에  
붙여 넣습니다.  
그런 다음 Enter를  
누릅니다.



# OpenVINO 설치 Part 2



```
Anaconda Prompt (Anaconda3)
ite-packages (from google-auth<2,>=1.6.3->tensorboard~=2.4->tensorflow>=2.0->-r ..\requirement
Collecting cachetools<5.0,>=2.0.0
  Downloading cachetools-4.2.1-py3-none-any.whl (12 kB)
Requirement already satisfied: oauthlib>=3.0.0 in c:\users\user\appdata\roaming\python\python3.8\site-packages\oauthlib>=0.7.0->google-auth-oauthlib<0.5,>=0.4.1->tensorboard~=2.4->tensorflow>=2.0->...
2) (3.1.0)
Requirement already satisfied: pyasn1<0.5.0,>=0.4.6 in c:\users\user\appdata\roaming\python\python3.8\site-packages\pyasn1-modules>=0.2.1->google-auth<2,>=1.6.3->tensorboard~=2.4->tensorflow>=2.0->-r ..\re...
8)
Installing collected packages: numpy, protobuf, cachetools
  WARNING: The script f2py.exe is installed in 'C:\Users\User\AppData\Roaming\Python\Python38\Scripts' which is not on PATH.
    Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
  ERROR: After October 2020 you may experience errors when installing or updating packages. This may be due to the way that it resolves dependency conflicts.

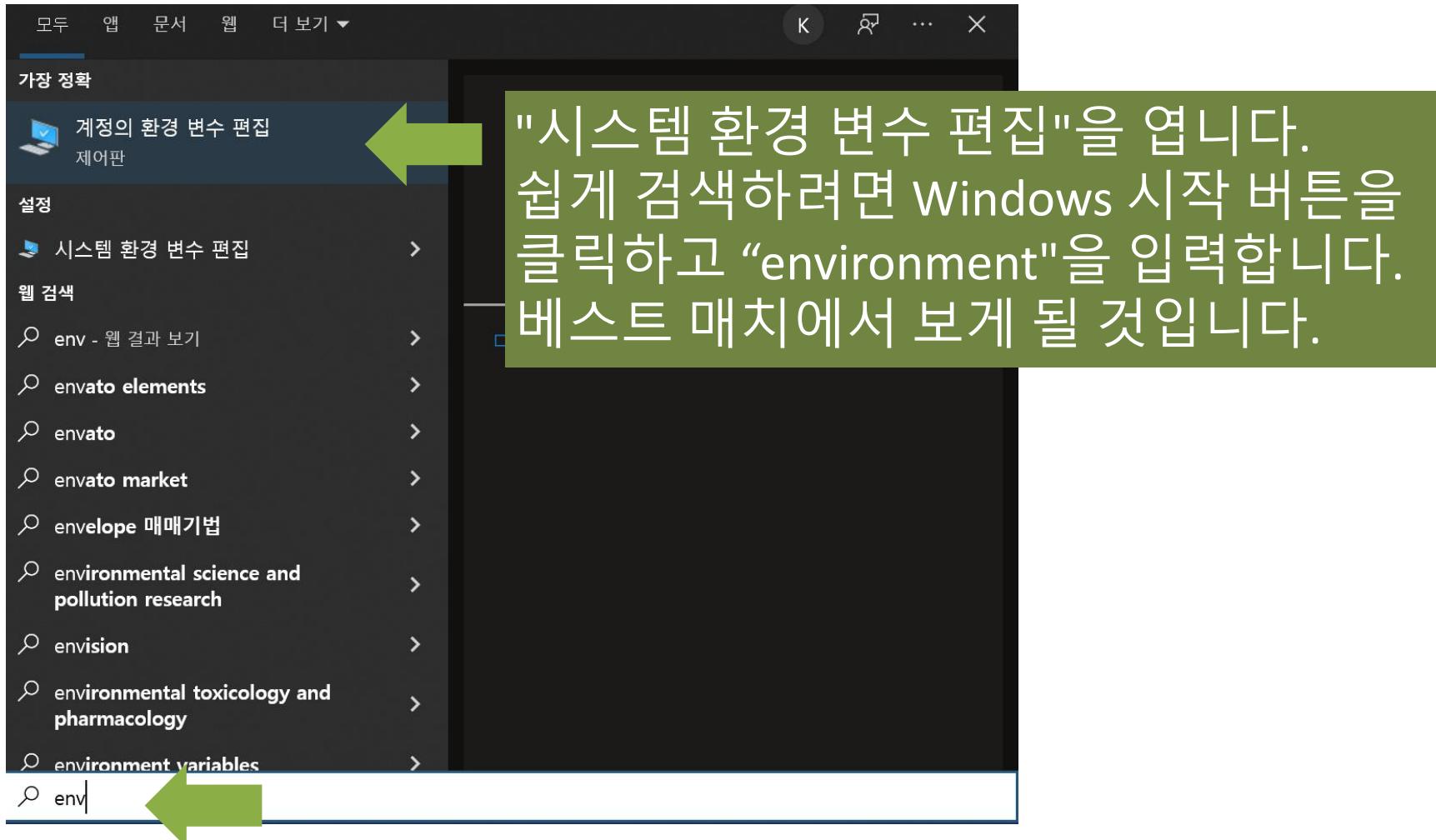
We recommend you use --use-feature=2020-resolver to test your packages with the new resolver.
lt.

tensorflow 2.4.1 requires numpy~>=1.19.2, but you'll have numpy 1.18.5 which is incompatible
tensorboard 2.4.1 requires requests<3,>=2.21.0, but you'll have requests 2.18.4 which is incompatibl...
mxnet 1.5.0 requires numpy<1.17.0,>=1.8.2, but you'll have numpy 1.18.5 which is incompatible
Successfully installed cachetools-4.2.1 numpy-1.18.5 protobuf-3.15.7
*****
Warning: please expect that Model Optimizer conversion might be slow.
You can boost conversion speed by installing protobuf-* .egg located in the
"model-optimizer\install_prerequisites" folder or building protobuf library from sources.
For more information please refer to Model Optimizer FAQ, question #80.

(base) C:\Program Files (x86)\Intel\openvino_2021\deployment_tools\model_optimizer\install_prerequisites>
```

명령의 결과  
(필요한 패키지를 설치)  
일단 경고와 에러  
메시지는 무시하셔도  
됩니다.

# OpenVINO 설치 Part 2

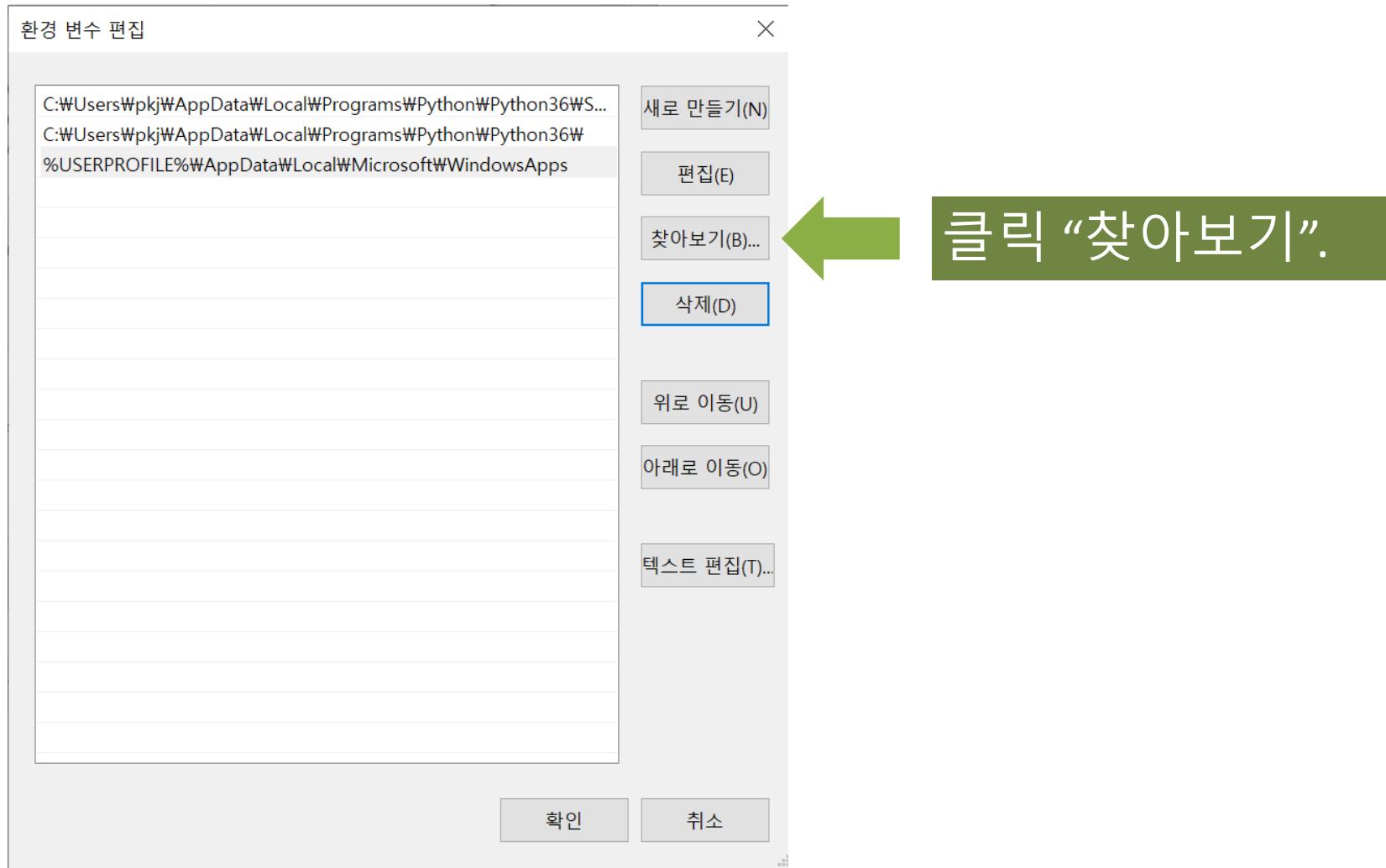


# OpenVINO 설치 Part 2

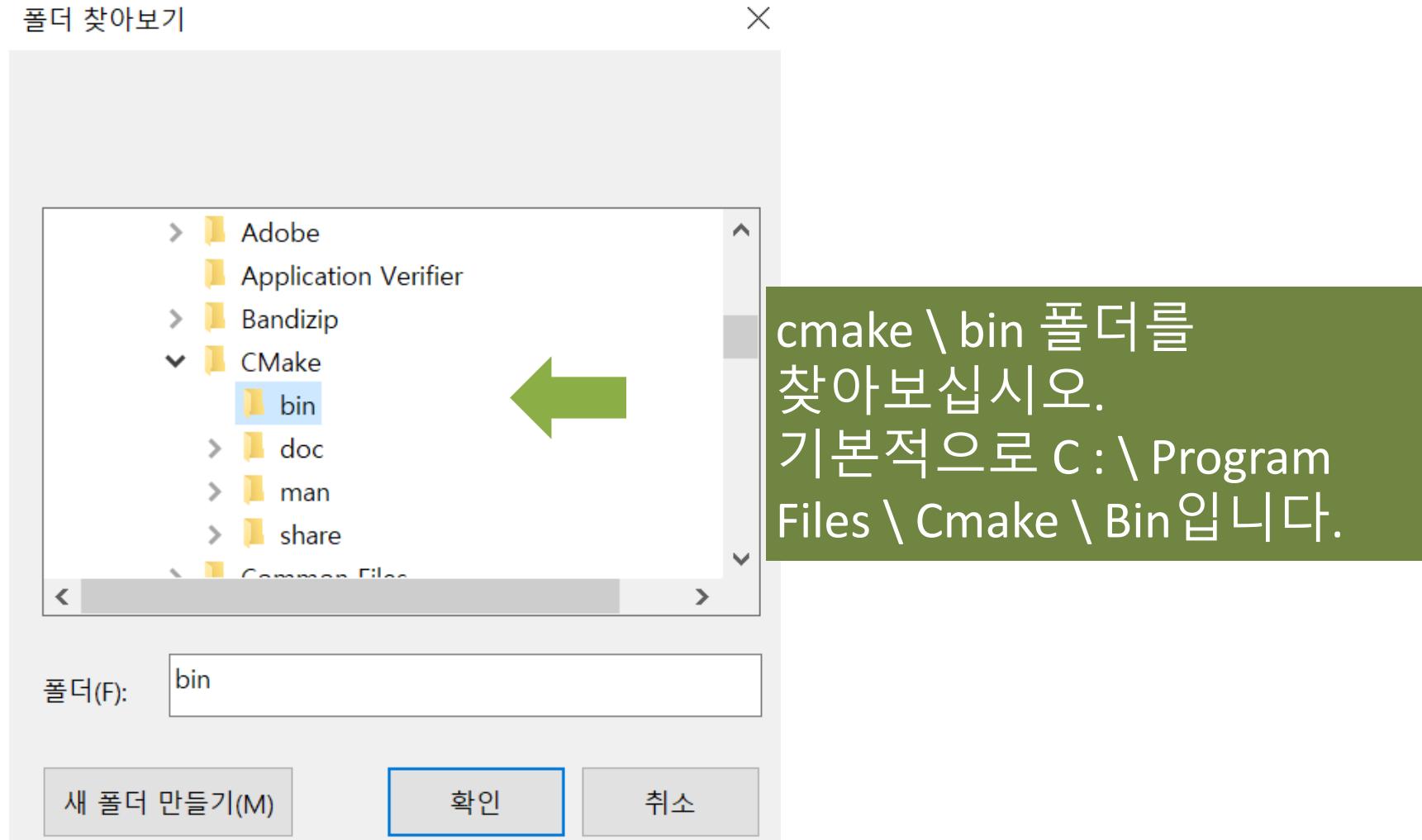


“Path” 선택 후  
“편집” 클릭

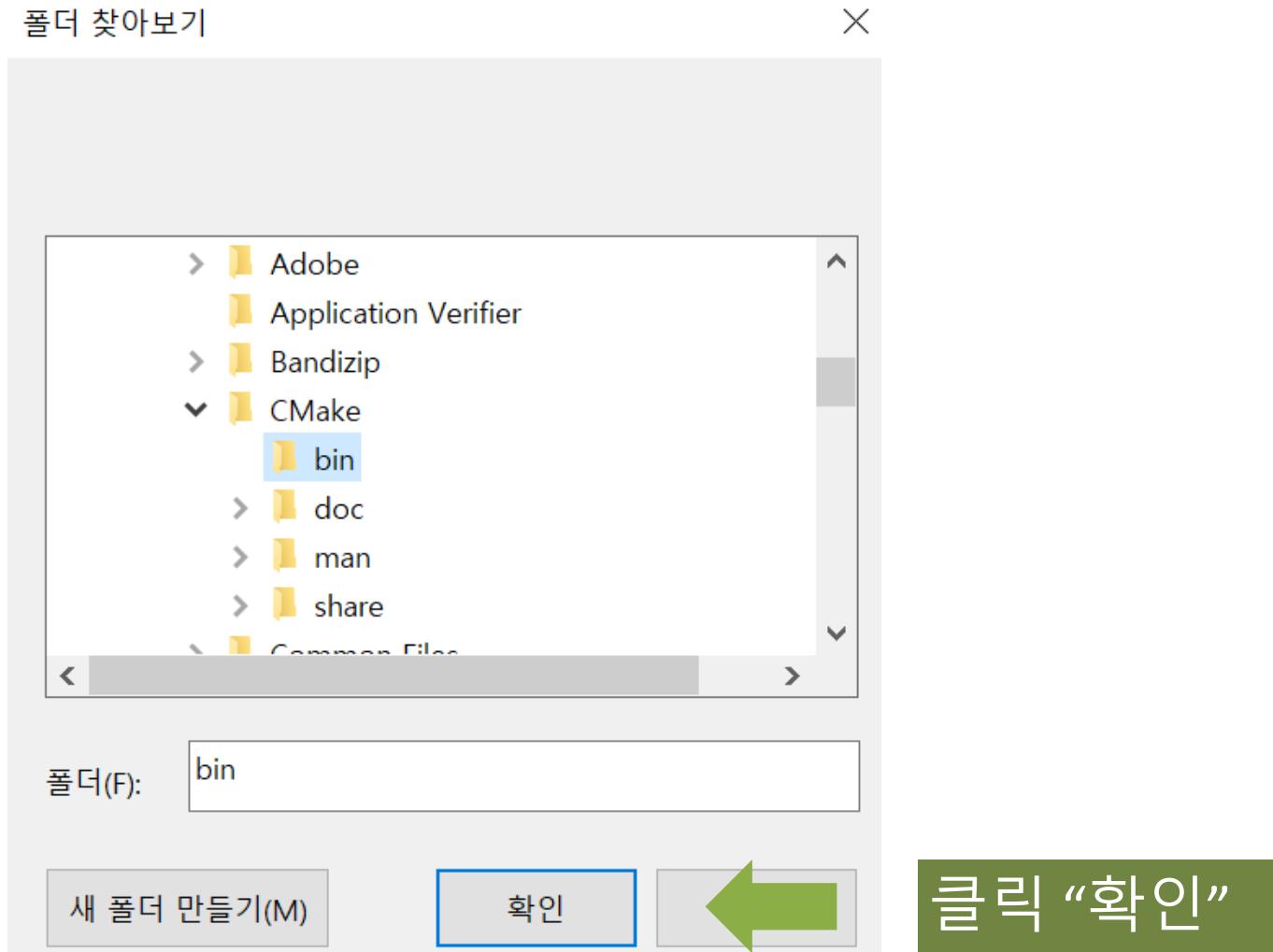
# OpenVINO 설치 Part 2



# OpenVINO 설치 Part 2

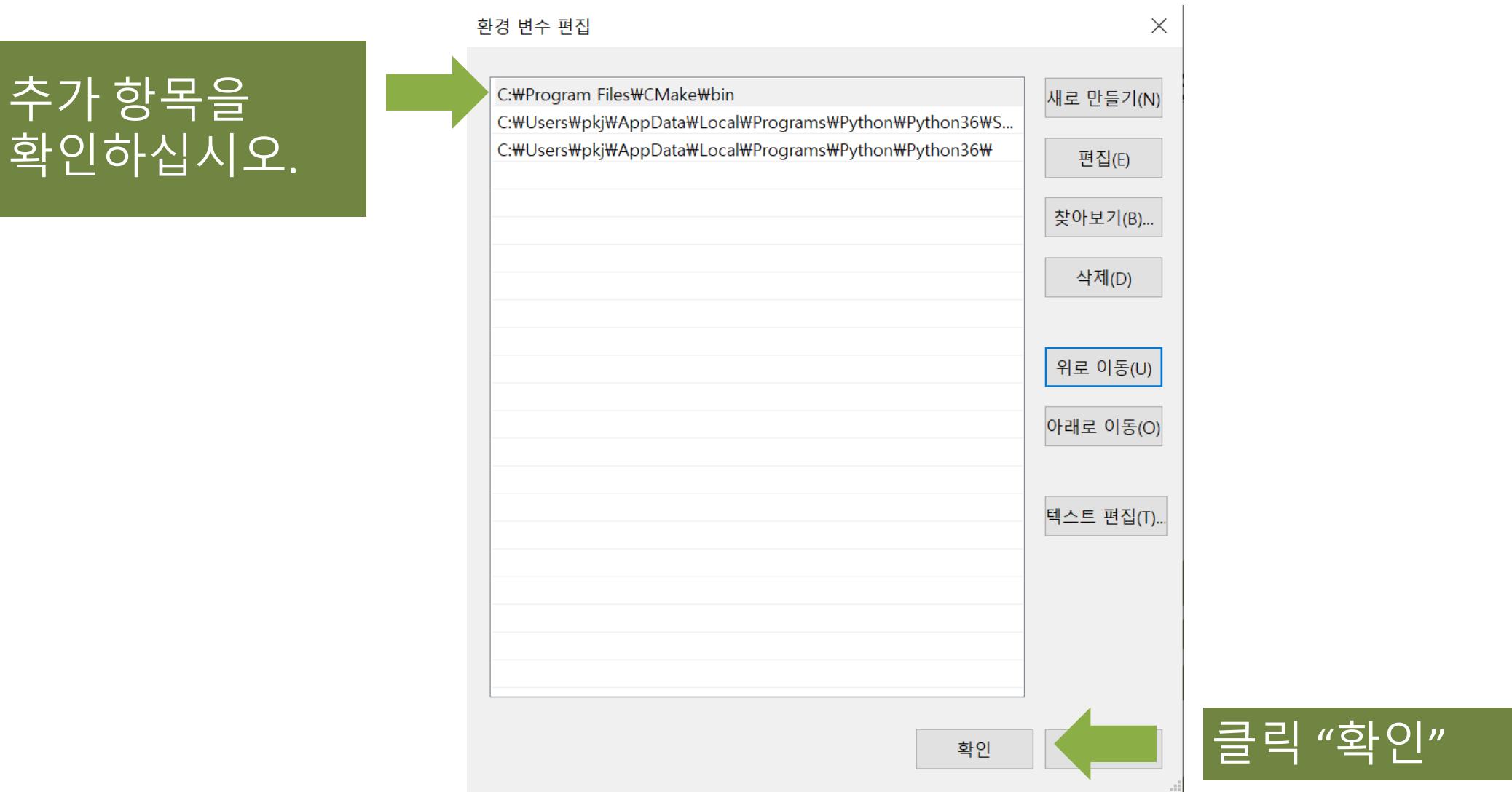


# OpenVINO 설치 Part 2



# OpenVINO 설치 Part 2

추가 항목을  
확인하십시오.

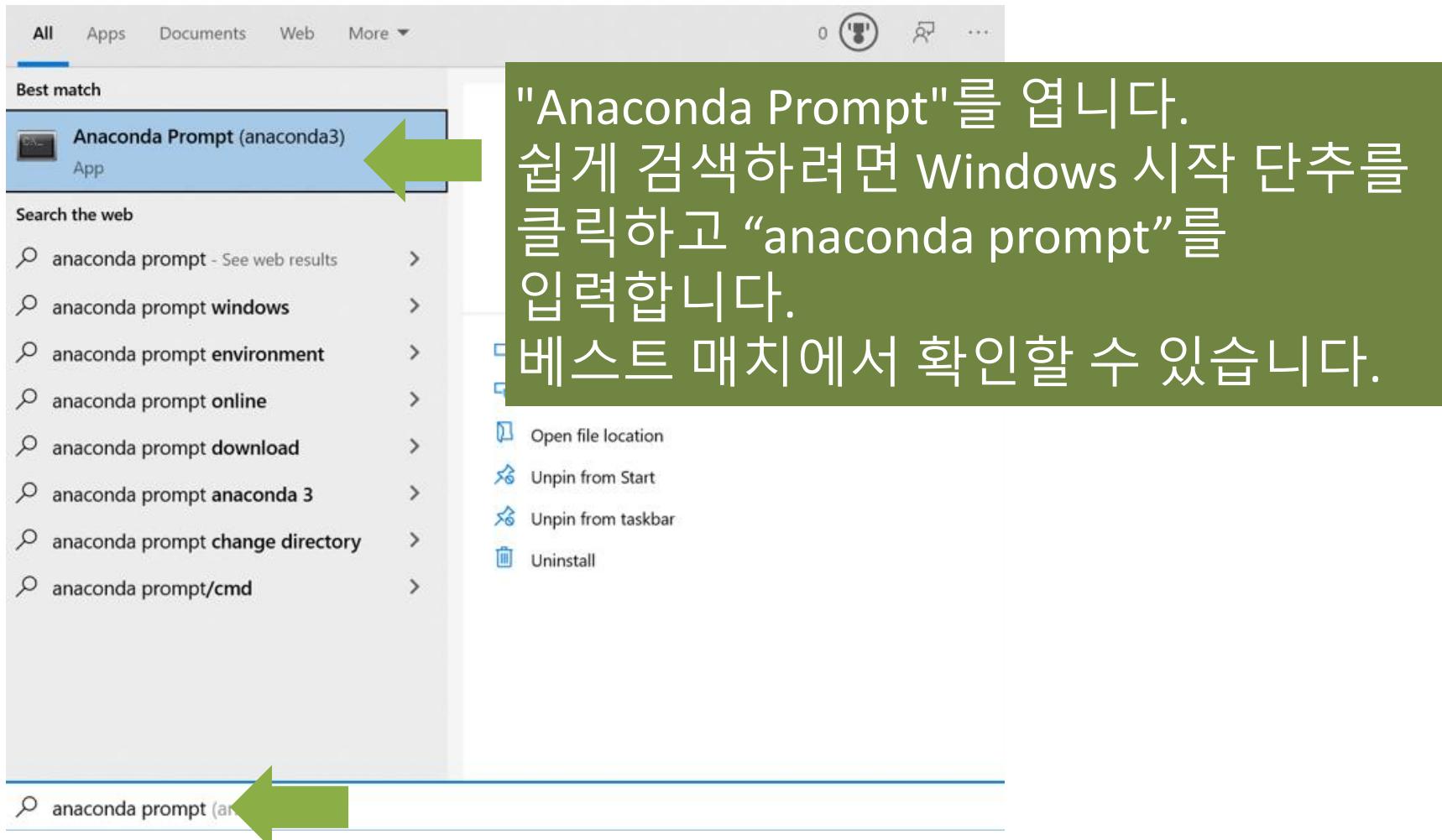


# OpenVINO 설치 테스트

AI for Future Workforce

intel digital  
readiness

# OpenVINO 설치 테스트



# Test OpenVINO Installation



```
Anaconda Prompt (Anaconda3)
(base) C:\Users\User>cd "C:\Program Files (x86)\Intel\openvino_2021\deployment_tools\demo"
(base) C:\Program Files (x86)\Intel\openvino_2021\deployment_tools\demo>
```

OpenVINO 설치를 확인하기 위해 데모를 실행하겠습니다.  
폴더에서 몇 가지 데모 응용 프로그램을 볼 수 있습니다.

프롬프트 창에  
cd "C:\Program Files  
(x86)\Intel\openvino\_2021\deployment\_tools\demo"  
를 입력하고 enter를 누릅니다.

# Test OpenVINO Installation



```
Anaconda Prompt (Anaconda3)
(base) C:\Users\User>cd "C:\Program Files (x86)\Intel\openvino_2021\deployment_tools\demo"
(base) C:\Program Files (x86)\Intel\openvino_2021\deployment_tools\demo>demo_squeeze...bat
```

우리는 이 데모를 사용할 것입니다.  
"demo\_squeeze...bat"를 입력하고  
Enter 키를 누릅니다.

# Test OpenVINO Installation

```
[ Anaconda Prompt (Anaconda3)
[ INFO ] Completed 9 async request execution
[ INFO ] Completed 10 async request execution
[ INFO ] Processing output blobs

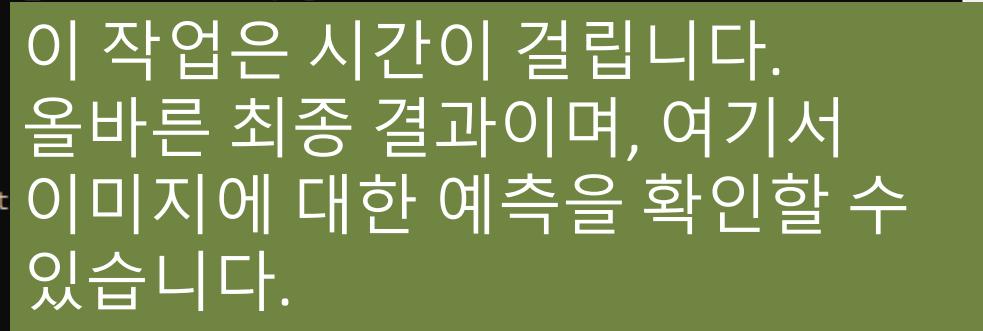
Top 10 results:

Image C:\Program Files (x86)\Intel\openvino_2021\deployment_tools\demo\car.png
classid probability label
-----
817    0.6853030  sports car, sport car
479    0.1835197  car wheel
511    0.0917197  convertible
436    0.0200694  beach wagon, station wagon, wagon, est
751    0.0069604  racer, race car, racing car
656    0.0044177  minivan
717    0.0024739  pickup, pickup truck
581    0.0017788  grille, radiator grille
468    0.0013083  cab, hack, taxi, taxicab
661    0.0007443  Model T

[ INFO ] Execution successful

[ INFO ] This sample is an API example, for any performance measurements please use the dedicated benchmark_app tool
#####
| Classification demo completed successfully ||#####
Waiting for 0 seconds, press a key to continue ...

(base) C:\Program Files (x86)\Intel\openvino_2021\deployment_tools\demo>
```



이 작업은 시간이 걸립니다.  
올바른 최종 결과이며, 여기서  
이미지에 대한 예측을 확인할 수  
있습니다.

A close-up photograph of a person wearing black-rimmed glasses, looking intently at a computer screen. The screen displays a dark interface with multiple lines of white and blue code, possibly Python or Java. The person is wearing a blue long-sleeved shirt. A white curved line starts from the bottom left corner of the image and sweeps upwards towards the top right, partially enclosing the person's head and shoulders.

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