

پرونامہ نویسی پاپٹون مقدماتی

جلسہ اول

محمد رضا مظفری

گروه فیزیک، دانشکده علوم پایه

دانشگاه قم

فهرست مطالب

- دانلود Anaconda
- نصب Anaconda
- راه اندازی conda و python بر روی Anaconda Prompt
- بررسی کتابخانه‌های Numpy، Matplotlib و Scipy
- محیط برنامه‌نویسی Spyder



ANACONDA®

The screenshot shows a Windows 10 desktop with a blue taskbar. The desktop background is blue. On the left side, there are several icons: 'This PC', 'Adobe Connect', 'Control Panel', 'AnyDesk', 'MinGW Installer', 'Adobe Acrobat ...', 'POWERPNT - Shortcut', 'WINWORD - Shortcut', 'EXCEL - Shortcut', and 'Adobe FormsCentral'. The taskbar at the bottom contains icons for the Start menu, Search, Edge, Chrome, File Explorer, and several application windows. The active window is a Google Chrome browser showing a search for 'download anaconda'. The search results show about 28,000,000 results in 0.51 seconds. The top result is 'Installing on Windows — Anaconda documentation' with a link to 'docs.anaconda.com'. Below it is 'Installation — Anaconda documentation' with a link to 'docs.anaconda.com'. At the bottom of the search results, there is a section 'People also ask' with two questions: 'How do I download anaconda?' and 'Can I install Anaconda after installing Python?'. The system tray at the bottom right shows the time as 8:26 PM on 2/27/2021, along with network, volume, and battery icons.

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google.com/search?q=download+anaconda&oq=download+anaconda&aqs=chrome..69i57j0l9.12983j0j7&sourceid=chrome&ie=UTF-8

Google

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All Videos Books Images More Settings Tools

About 28,000,000 results (0.51 seconds)

docs.anaconda.com > anaconda > install > windows

Installing on Windows — Anaconda documentation

Download the **Anaconda** installer. · RECOMMENDED: Verify data integrity with SHA-256. · Double click the installer to launch. · Click Next. · Read the licensing terms ...

Anaconda installer file hashes · Verifying your installation · Troubleshooting · Proxy

docs.anaconda.com > anaconda > install

Installation — Anaconda documentation

Minimum 5 GB disk space to **download** and install. On Windows, macOS, and Linux, it is best to install **Anaconda** for the local user, which does not require ...

You visited this page on 2/21/21.

docs.anaconda.com > anaconda > install > mac-os

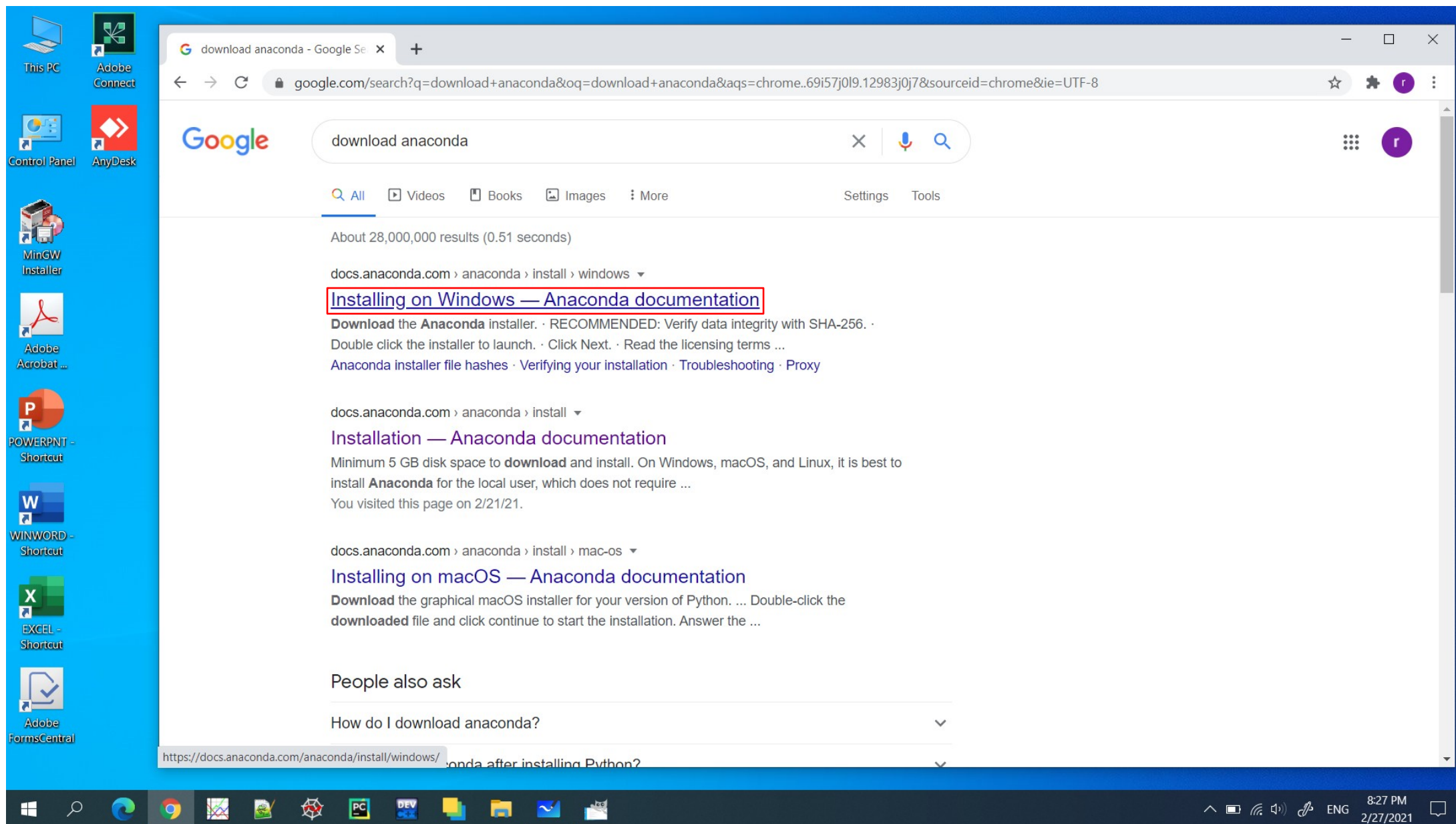
Installing on macOS — Anaconda documentation

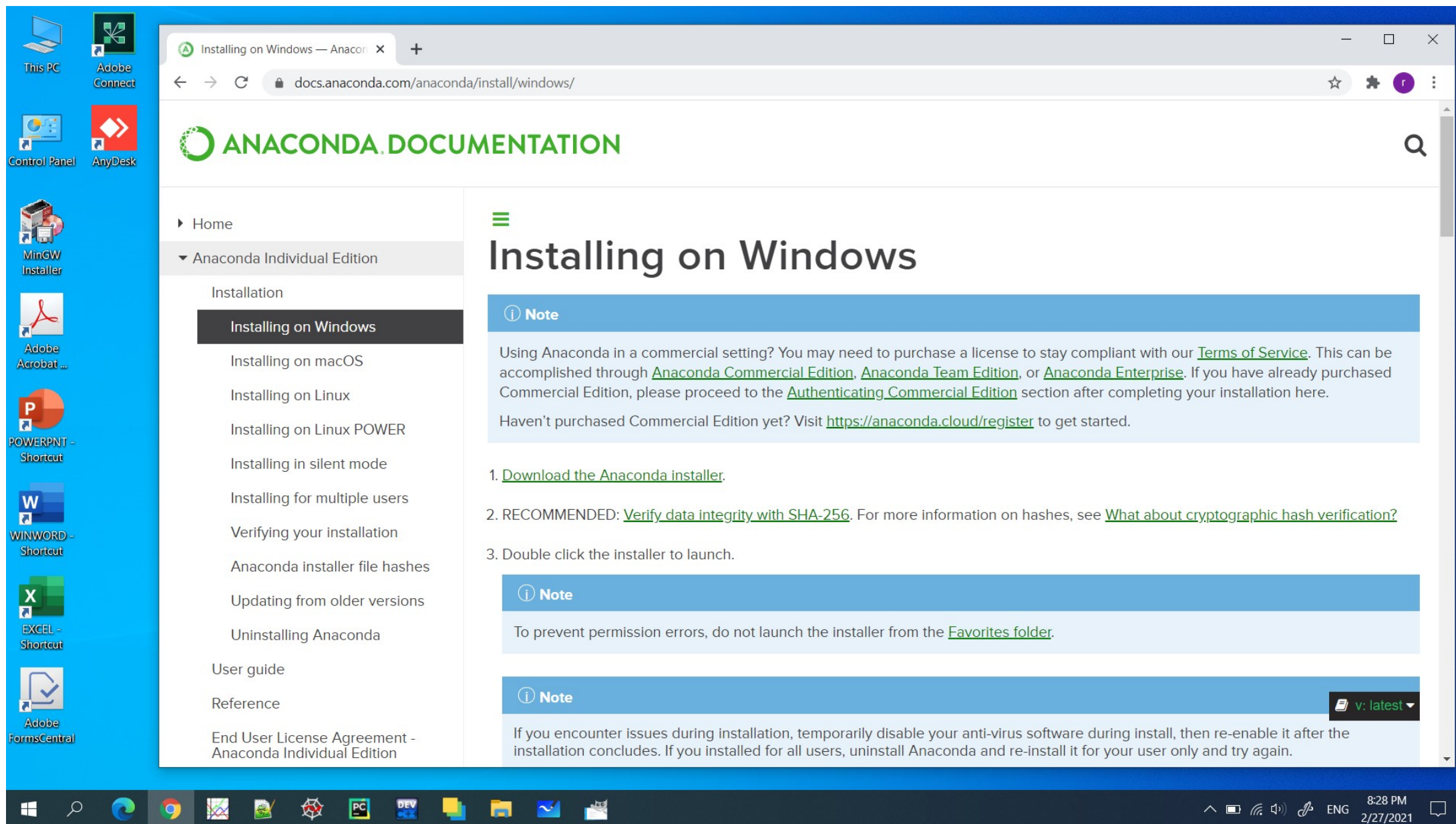
Download the graphical macOS installer for your version of Python. ... Double-click the **downloaded** file and click continue to start the installation. Answer the ...

People also ask

How do I download anaconda?

Can I install Anaconda after installing Python?





Installing on Windows — Anaconda

docs.anaconda.com/anaconda/install/windows/

ANACONDA DOCUMENTATION

- Home
- Anaconda Individual Edition
 - Installation
 - Installing on Windows**
 - Installing on macOS
 - Installing on Linux
 - Installing on Linux POWER
 - Installing in silent mode
 - Installing for multiple users
 - Verifying your installation
 - Anaconda installer file hashes
 - Updating from older versions
 - Uninstalling Anaconda
 - User guide
 - Reference
 - End User License Agreement - Anaconda Individual Edition

Installing on Windows

Note

Using Anaconda in a commercial setting? You may need to purchase a license to stay compliant with our [Terms of Service](#). This can be accomplished through [Anaconda Commercial Edition](#), [Anaconda Team Edition](#), or [Anaconda Enterprise](#). If you have already purchased Commercial Edition, please proceed to the [Authenticating Commercial Edition](#) section after completing your installation here.

Haven't purchased Commercial Edition yet? Visit <https://anaconda.cloud/register> to get started.

- [Download the Anaconda installer.](#)
- RECOMMENDED: [Verify data integrity with SHA-256](#). For more information on hashes, see [What about cryptographic hash verification?](#)
- Double click the installer to launch.

Note

To prevent permission errors, do not launch the installer from the [Favorites folder](#).

Note

If you encounter issues during installation, temporarily disable your anti-virus software during install, then re-enable it after the installation concludes. If you installed for all users, uninstall Anaconda and re-install it for your user only and try again.

v: latest

Installing on Windows — Anaconda

docs.anaconda.com/anaconda/install/windows/

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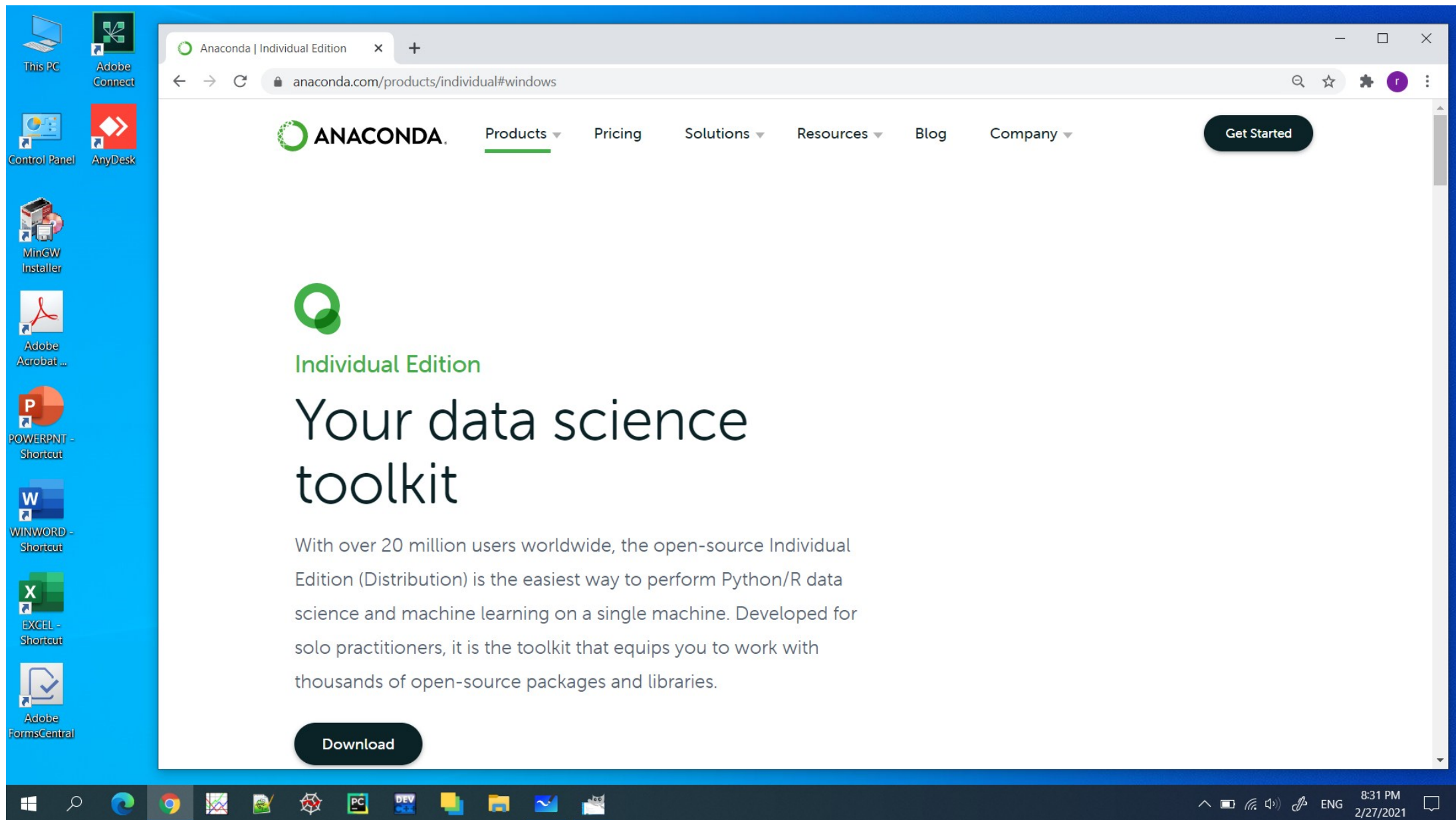
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v: latest



دانلود Anaconda

Anaconda | Individual Edition

anaconda.com/products/individual#windows

ANACONDA

Products Pricing Solutions Resources Blog Company

Get Started

Individual Edition

Your data science toolkit

With over 20 million users worldwide, the open-source Individual Edition (Distribution) is the easiest way to perform Python/R data science and machine learning on a single machine. Developed for solo practitioners, it is the toolkit that equips you to work with thousands of open-source packages and libraries.

Download

https://www.anaconda.com/products/individual#Downloads

8:35 PM 2/27/2021

The screenshot shows a web browser window displaying the Anaconda Individual Edition download page. The page title is "Anaconda Installers". It is divided into three columns for different operating systems: Windows, MacOS, and Linux. Each column lists available installers for Python 3.8.

Operating System	Installer Type	Size
Windows	64-Bit Graphical Installer	457 MB
	32-Bit Graphical Installer	403 MB
MacOS	64-Bit Graphical Installer	435 MB
	64-Bit Command Line Installer	428 MB
Linux	64-Bit (x86) Installer	529 MB
	64-Bit (Power8 and Power9) Installer	279 MB

At the bottom of the page, there is a section titled "ADDITIONAL INSTALLERS".

This PC Adobe Connect Control Panel AnyDesk MinGW Installer Adobe Acrobat ... POWERPNT - Shortcut WINWORD - Shortcut EXCEL - Shortcut Adobe FormsCentral

Anaconda | Individual Edition

anaconda.com/products/individual#windows

Anaconda Installers

Windows	MacOS	Linux
Python 3.8 64-Bit Graphical Installer (457 MB) 32-Bit Graphical Installer (403 MB)	Python 3.8 64-Bit Graphical Installer (435 MB) 64-Bit Command Line Installer (428 MB)	Python 3.8 64-Bit (x86) Installer (529 MB) 64-Bit (Power8 and Power9) Installer (279 MB)

ADDITIONAL INSTALLERS

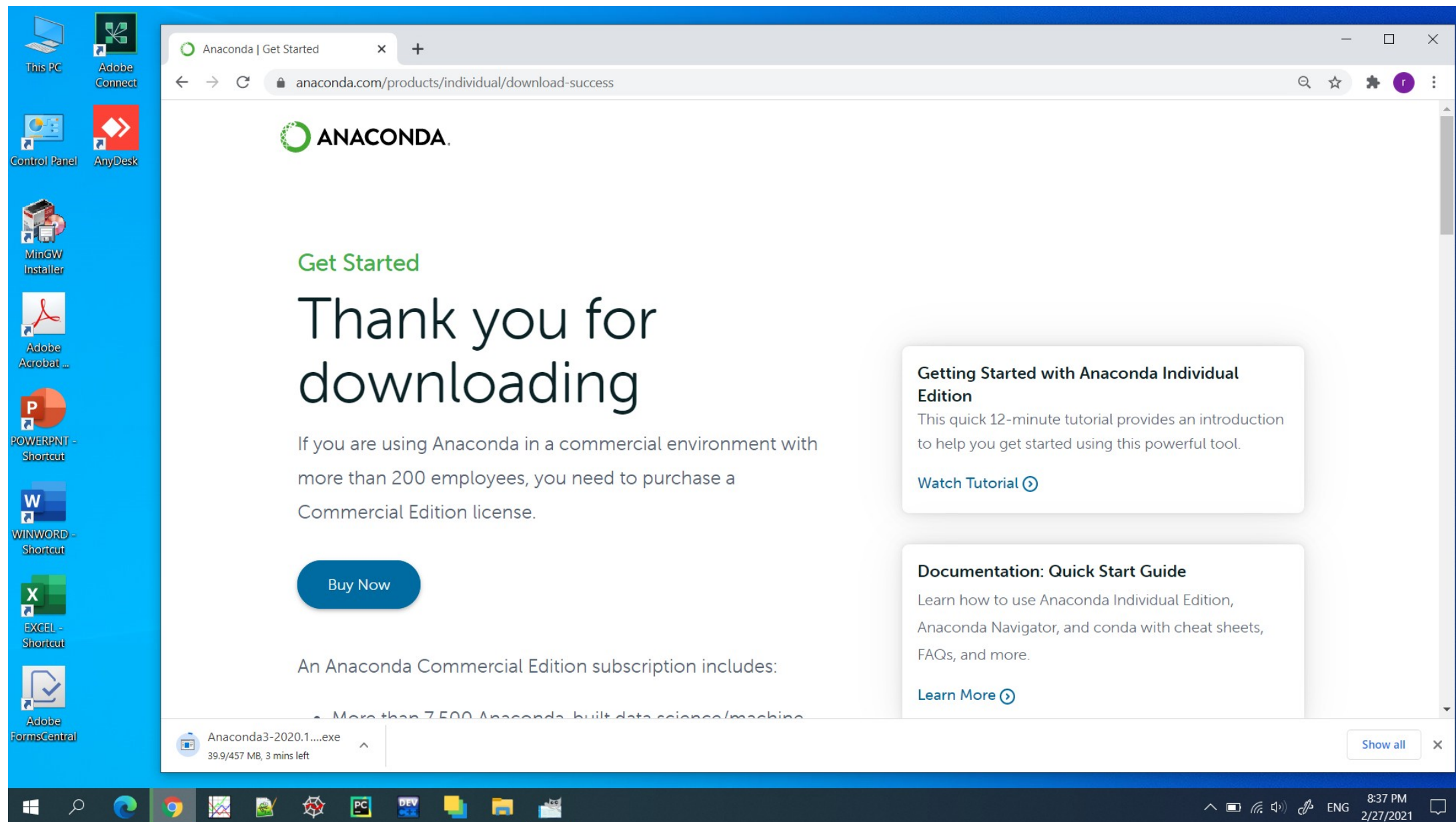
8:35 PM 2/27/2021 ENG

دانلود Anaconda

The screenshot shows a web browser window with the URL anaconda.com/products/individual#windows. The page is titled "Anaconda Installers" and displays three columns of installation options for Python 3.8.

Windows	MacOS	Linux
Python 3.8 ☒ 64-Bit Graphical Installer (457 MB) 32-Bit Graphical Installer (403 MB)	Python 3.8 64-Bit Graphical Installer (435 MB) 64-Bit Command Line Installer (428 MB)	Python 3.8 64-Bit (x86) Installer (529 MB) 64-Bit (Power8 and Power9) Installer (279 MB)

At the bottom, there is a section for "ADDITIONAL INSTALLERS" with a link to https://repo.anaconda.com/archive/Anaconda3-2020.11-Windows-x86_64.exe.



The screenshot shows a Windows desktop with a blue taskbar. The desktop background is blue. On the left side of the desktop, there are several icons: 'This PC', 'Control Panel', 'MinGW Installer', 'Adobe Acrobat ...', 'POWERPNT - Shortcut', 'WINWORD - Shortcut', 'EXCEL - Shortcut', and 'Adobe FormsCentral'. The taskbar at the bottom contains icons for Windows, Search, Edge, Chrome, and several other applications. The active window is a web browser displaying the Anaconda website. The browser's address bar shows 'anaconda.com/products/individual/download-success'. The website has a green Anaconda logo at the top left. The main heading is 'Get Started' in green, followed by 'Thank you for downloading' in large black text. Below this, it says 'If you are using Anaconda in a commercial environment with more than 200 employees, you need to purchase a Commercial Edition license.' and a blue 'Buy Now' button. To the right, there are two white boxes with rounded corners. The first box is titled 'Getting Started with Anaconda Individual Edition' and contains a link to 'Watch Tutorial'. The second box is titled 'Documentation: Quick Start Guide' and contains a link to 'Learn More'. At the bottom of the website, it says 'An Anaconda Commercial Edition subscription includes:'. The Windows taskbar at the bottom shows the time as 8:37 PM on 2/27/2021.

ANACONDA.

Get Started

Thank you for downloading

If you are using Anaconda in a commercial environment with more than 200 employees, you need to purchase a Commercial Edition license.

[Buy Now](#)

An Anaconda Commercial Edition subscription includes:

More than 7,500 Anaconda-built data science/machine learning libraries and tools.

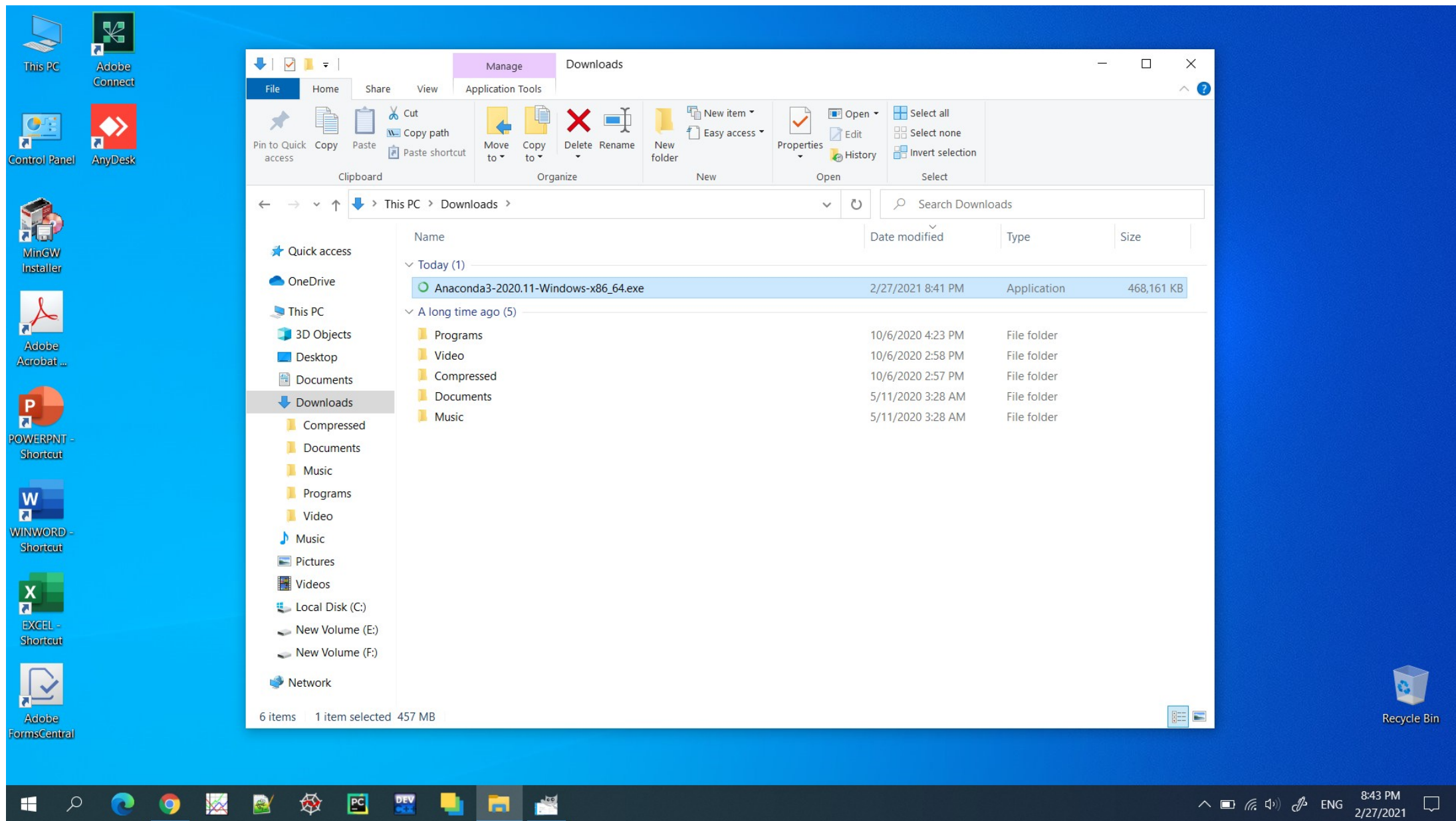
Getting Started with Anaconda Individual Edition
This quick 12-minute tutorial provides an introduction to help you get started using this powerful tool.
[Watch Tutorial](#)

Documentation: Quick Start Guide
Learn how to use Anaconda Individual Edition, Anaconda Navigator, and conda with cheat sheets, FAQs, and more.
[Learn More](#)

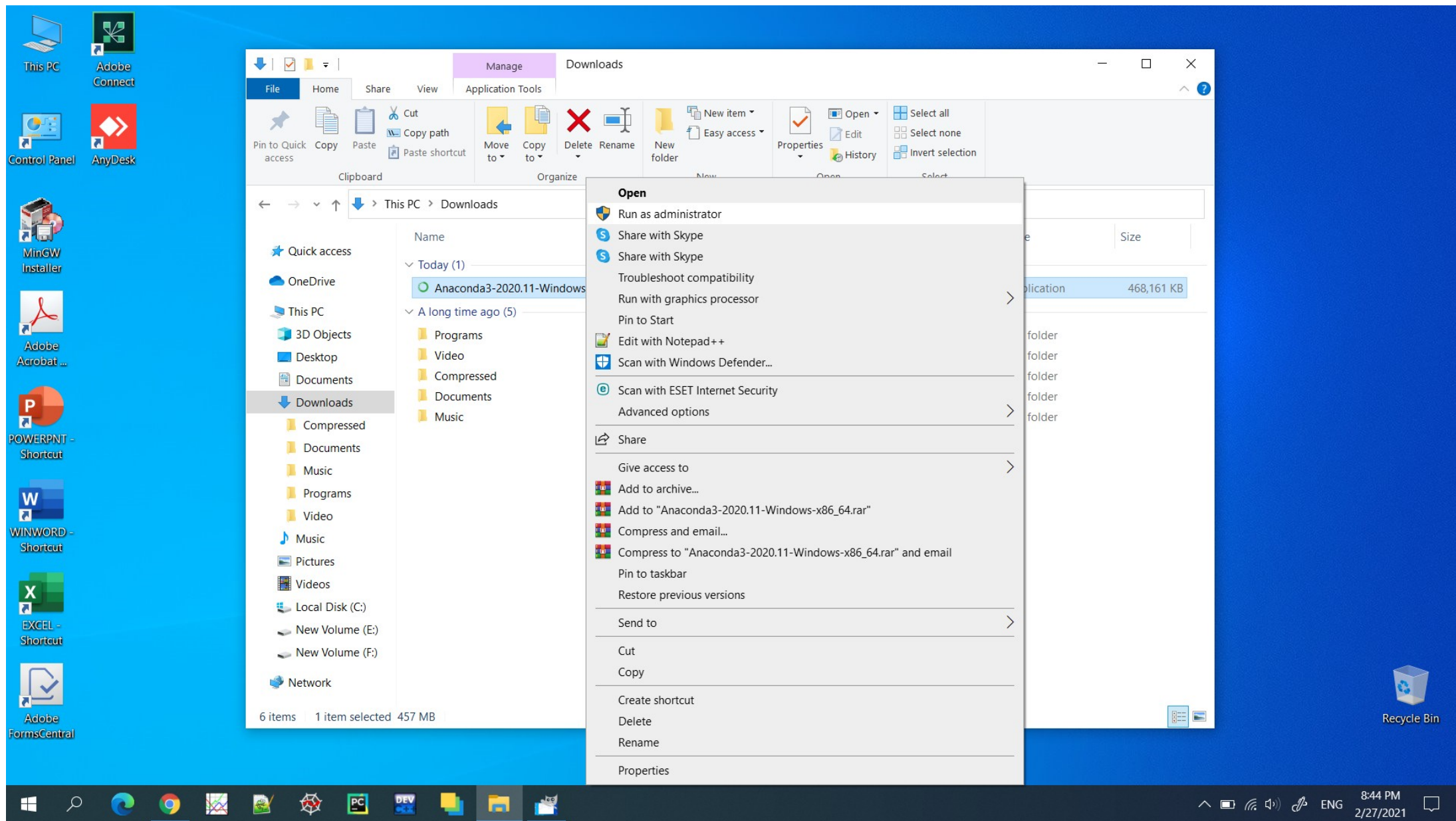
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39.9/457 MB, 3 mins left

8:37 PM
2/27/2021

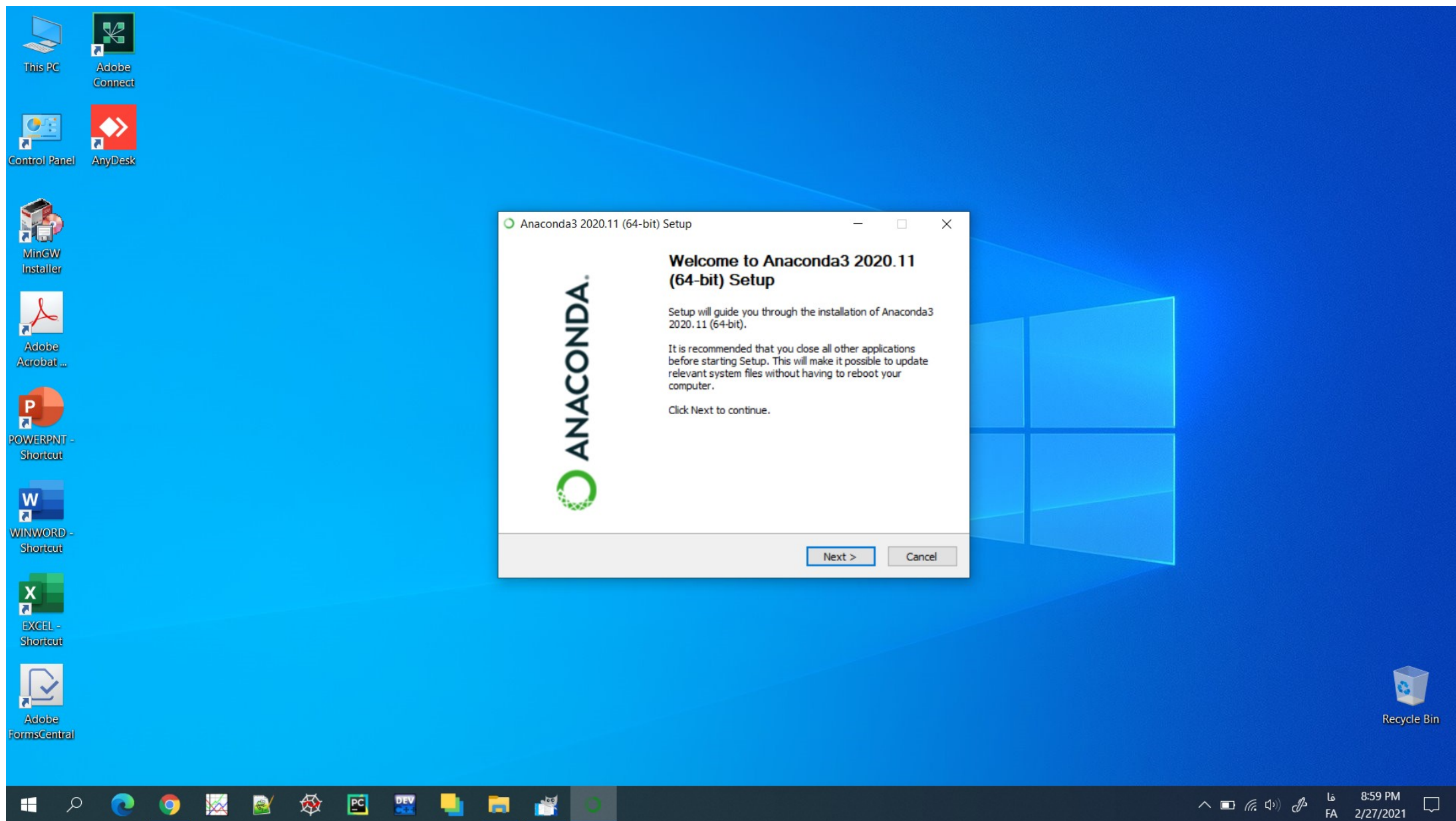
نصب Anaconda



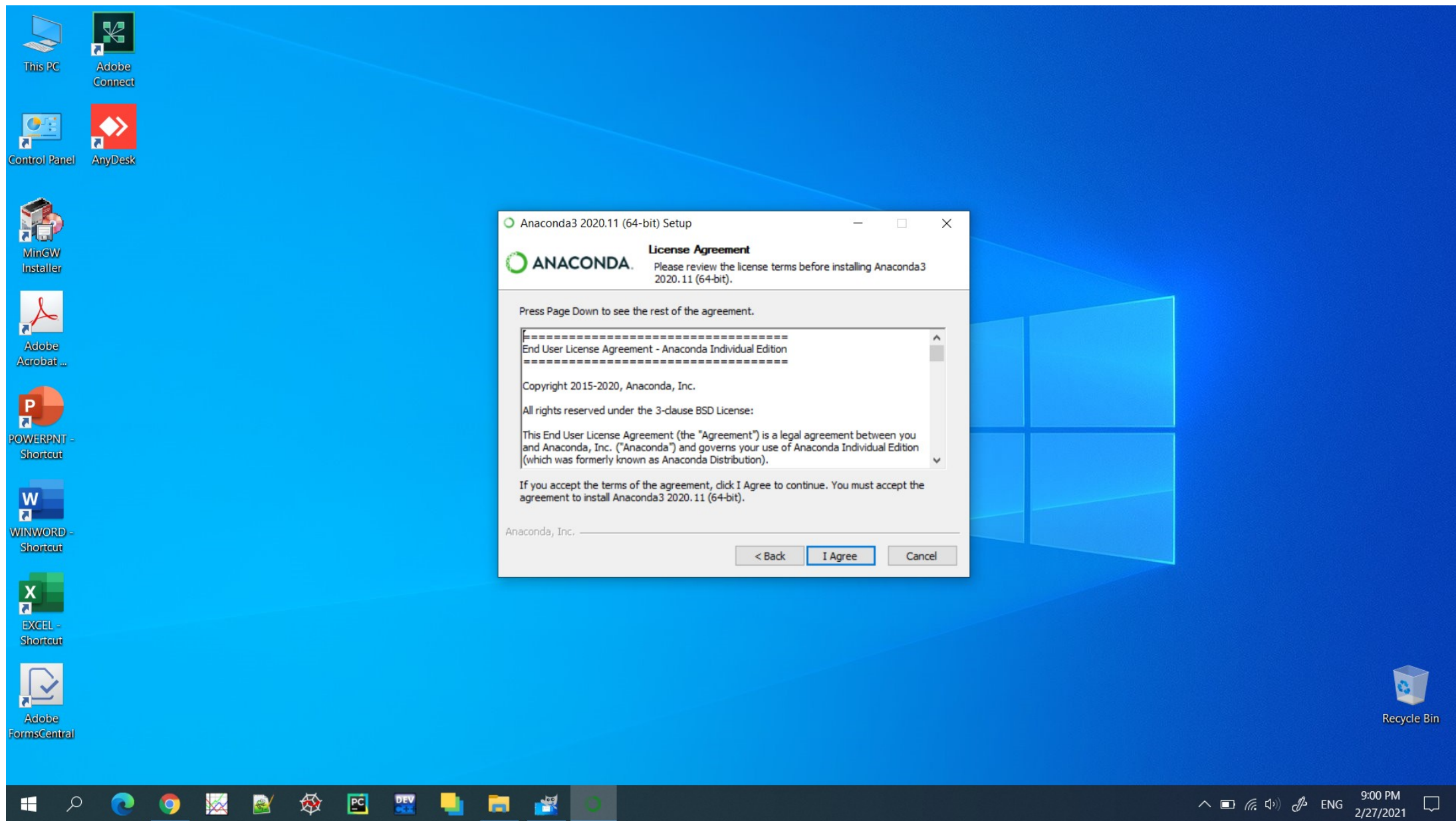
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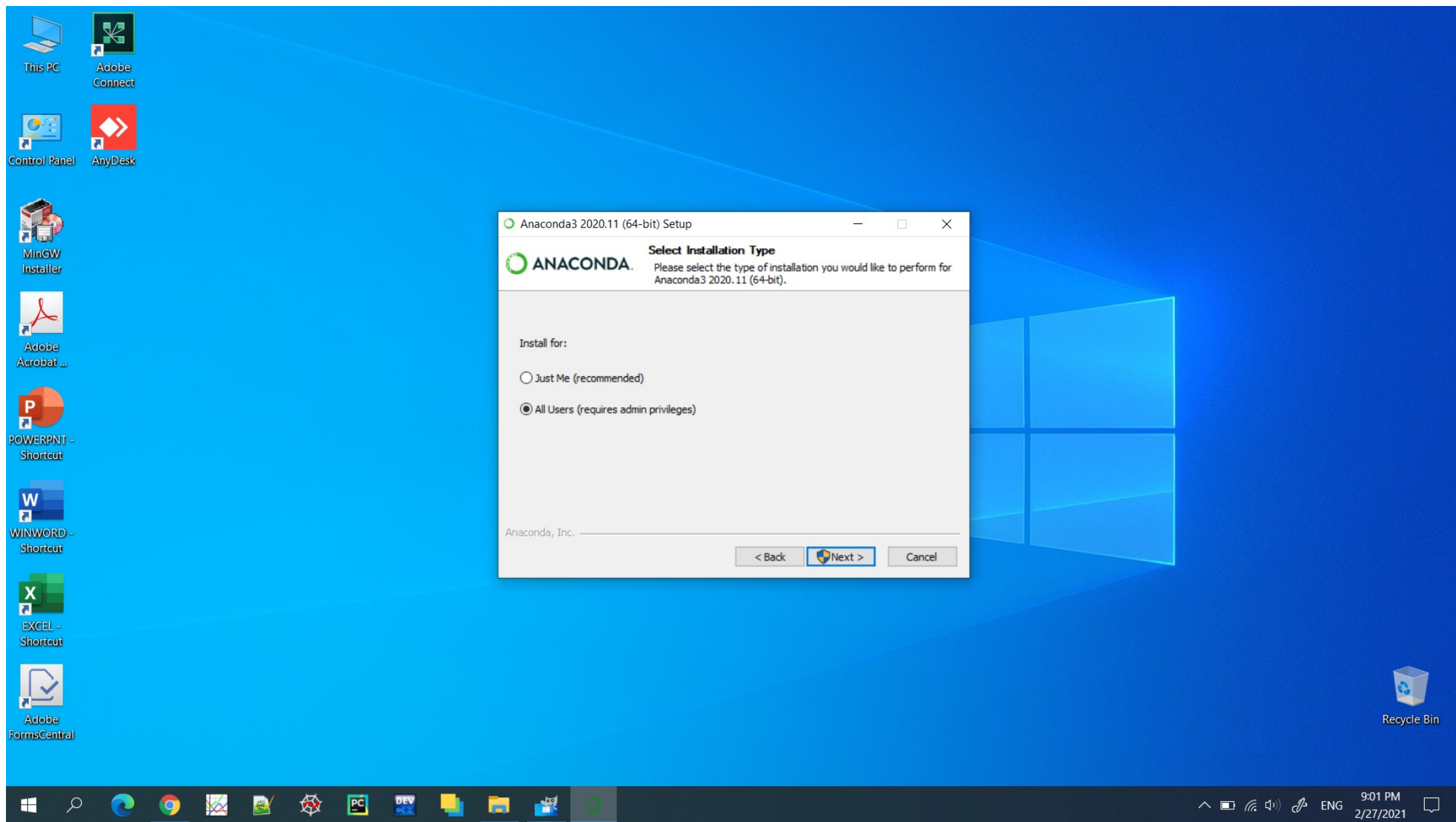
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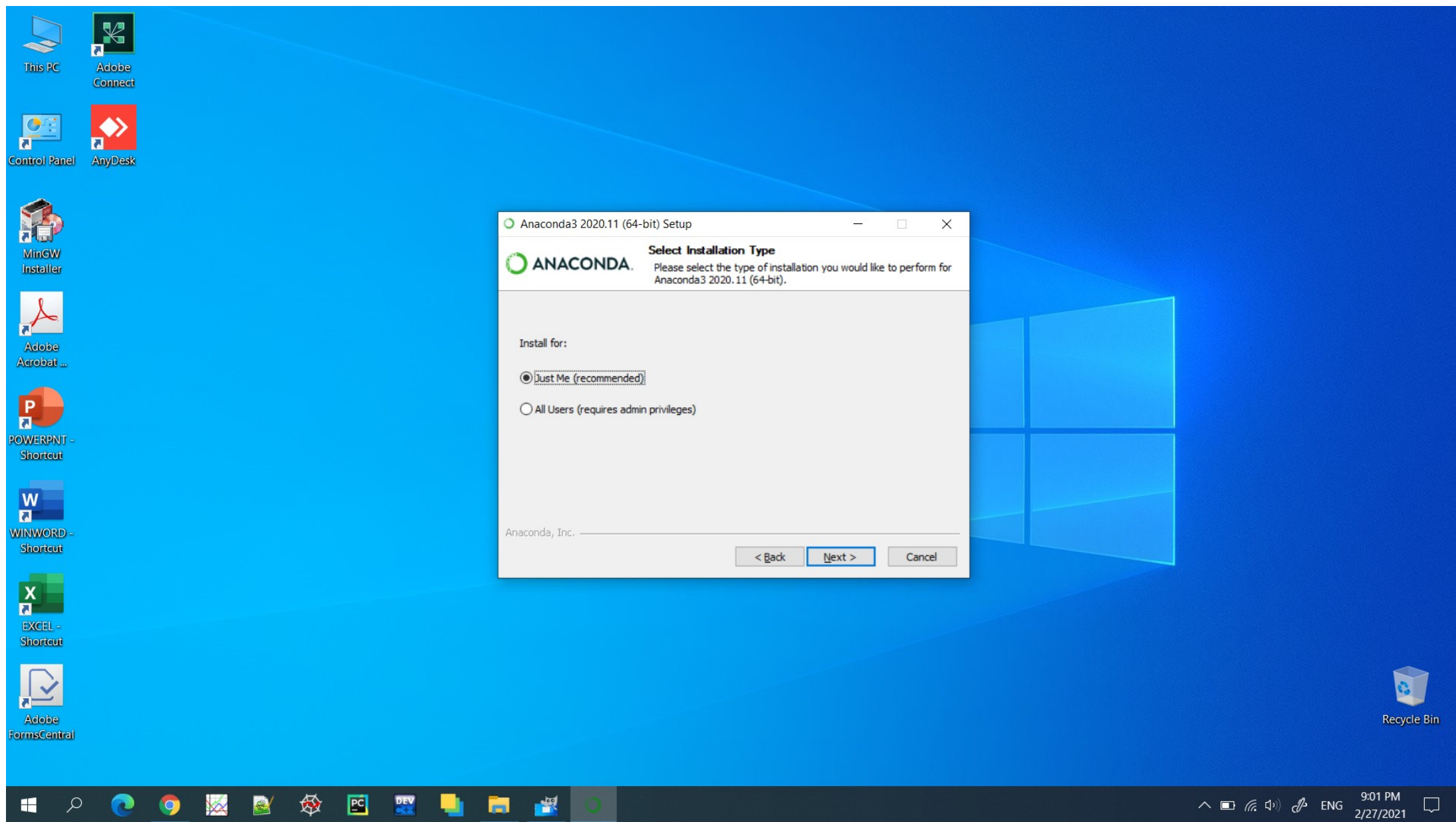
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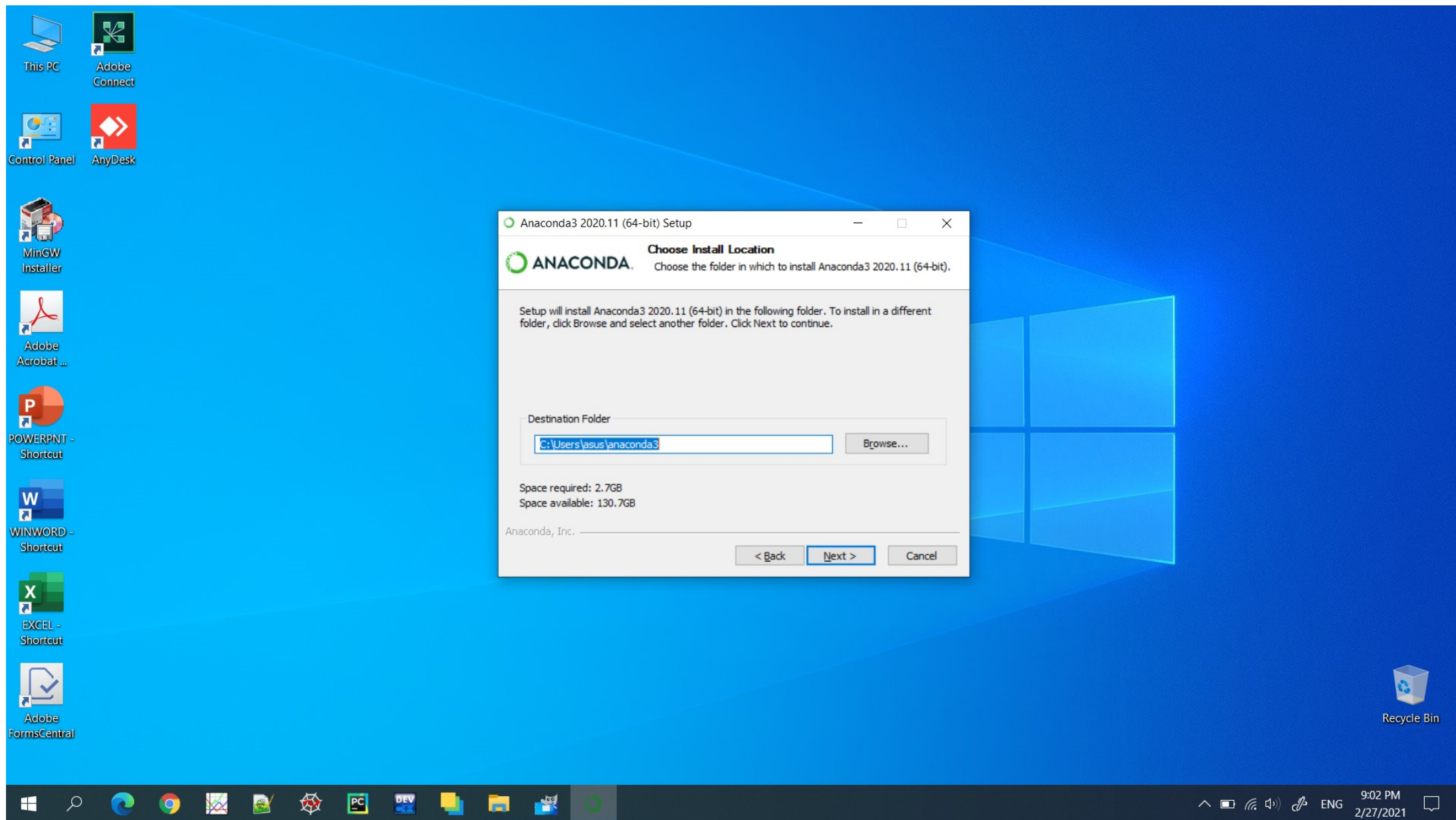
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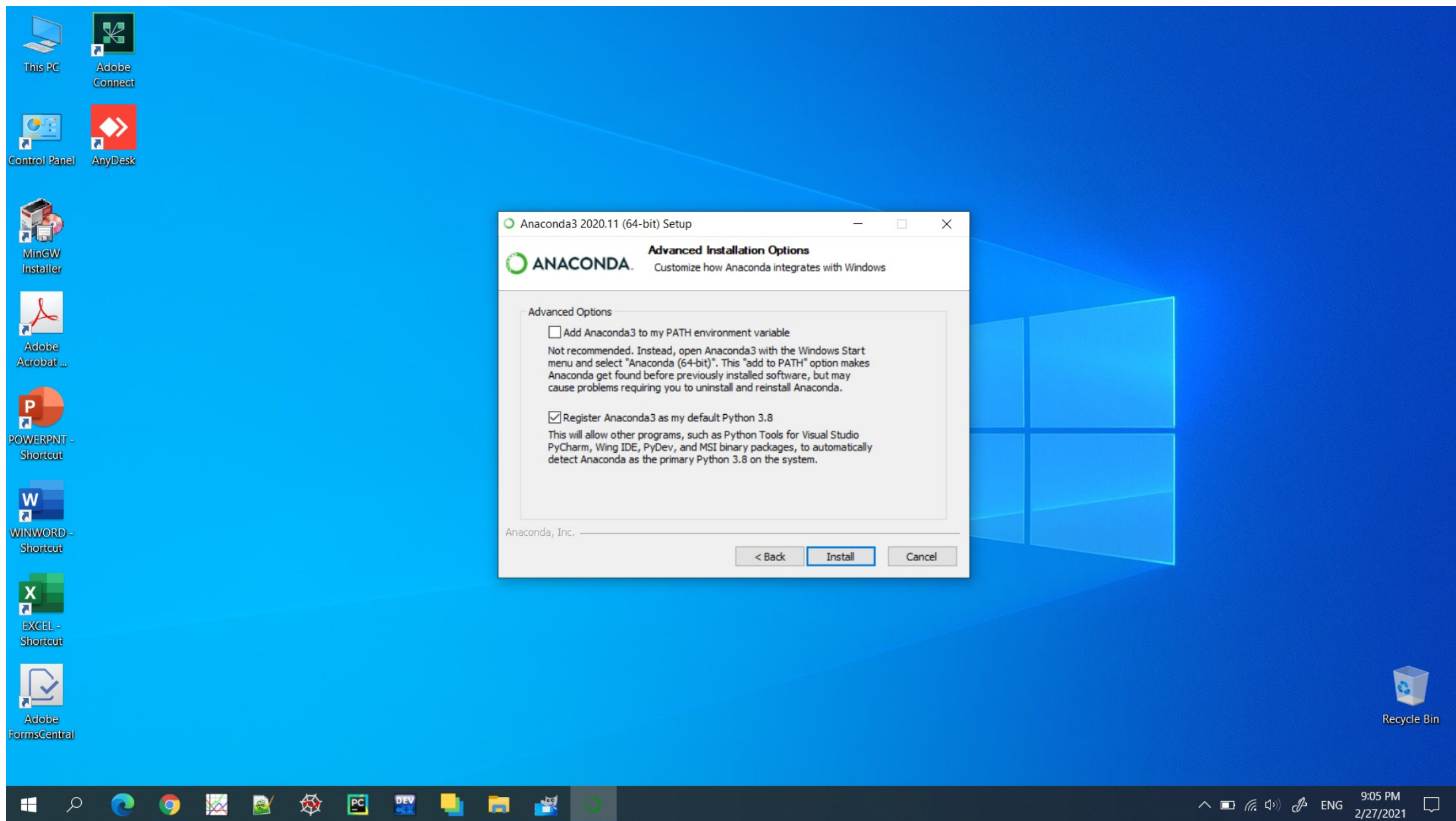
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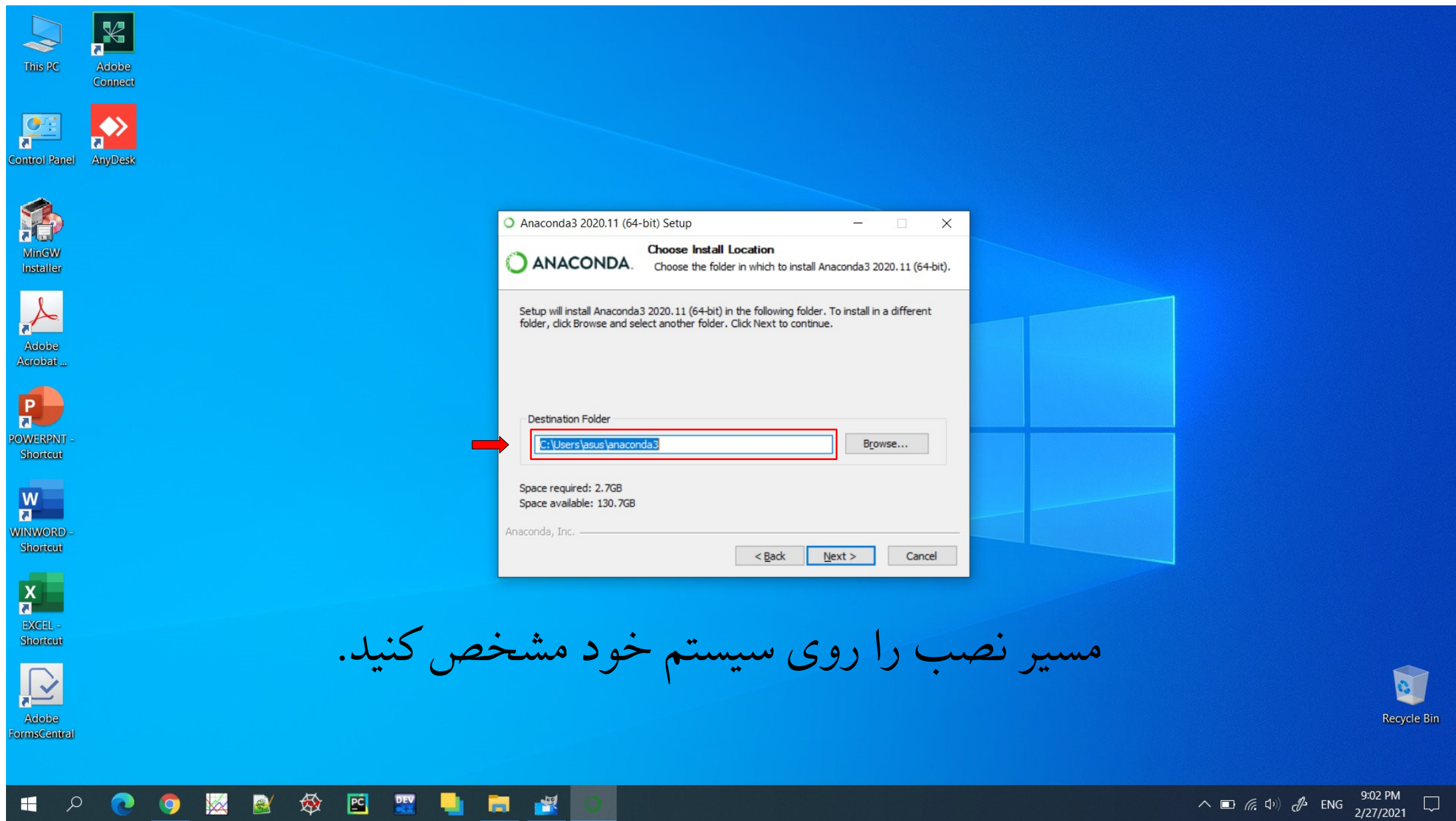


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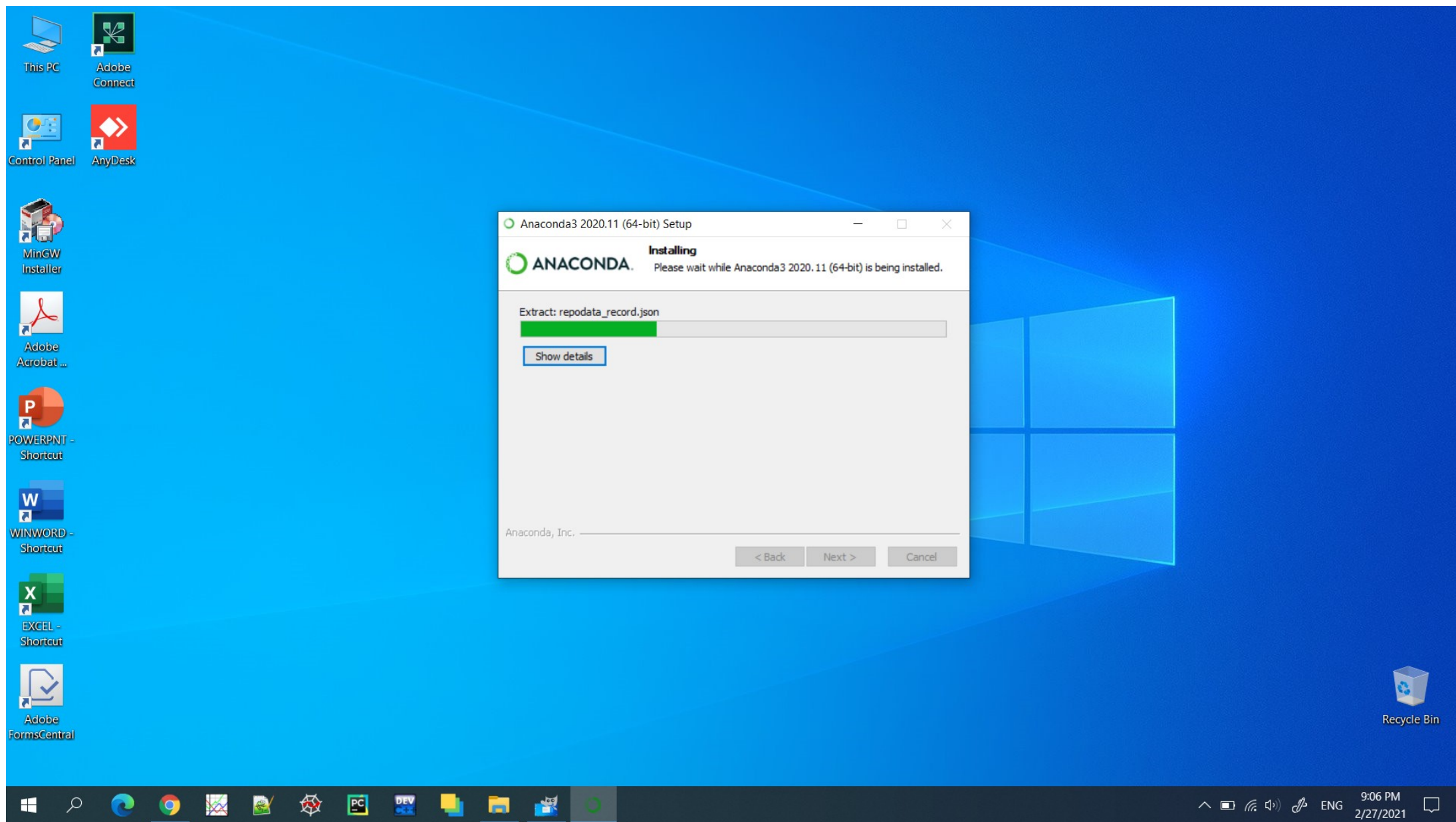
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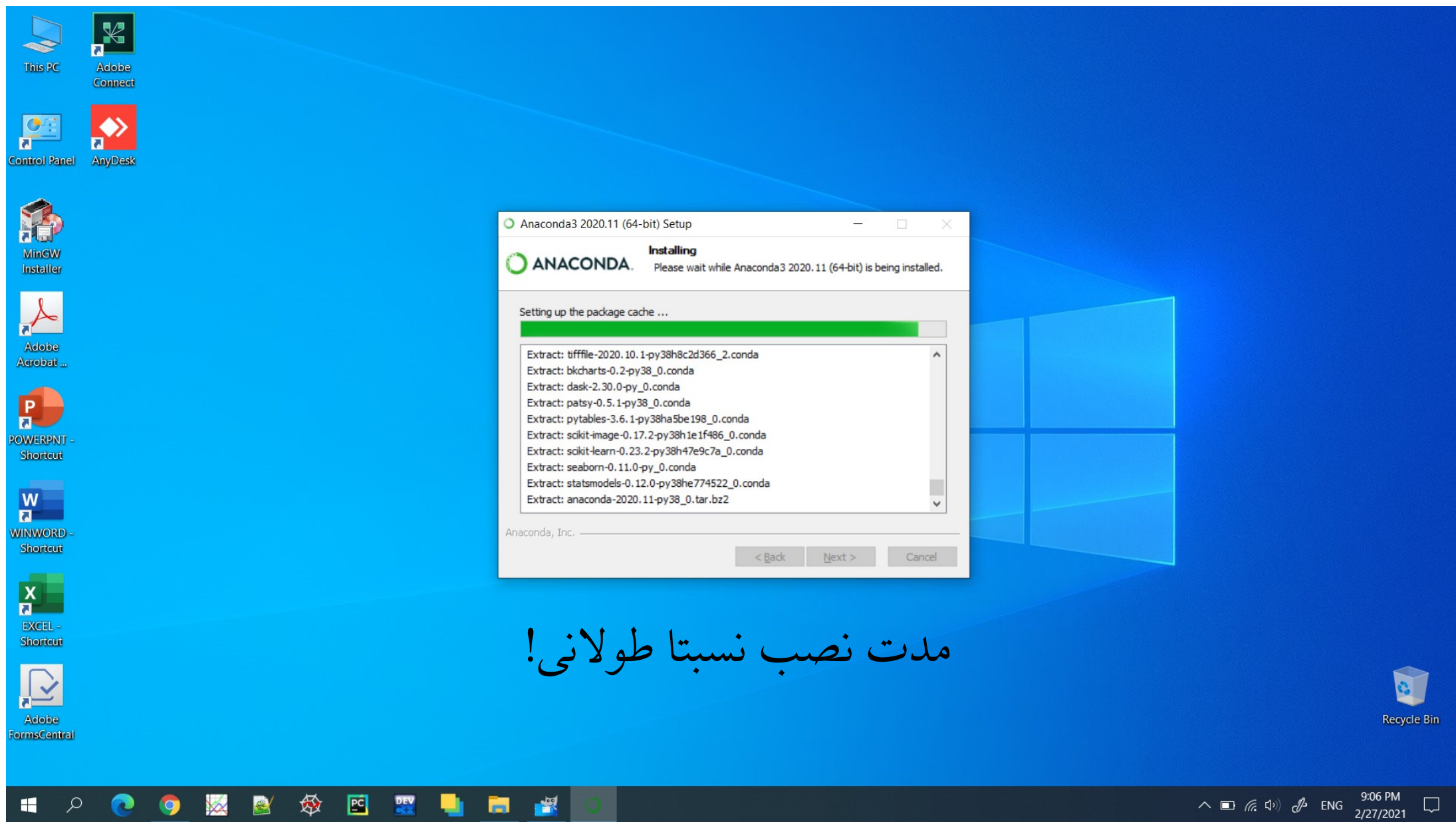




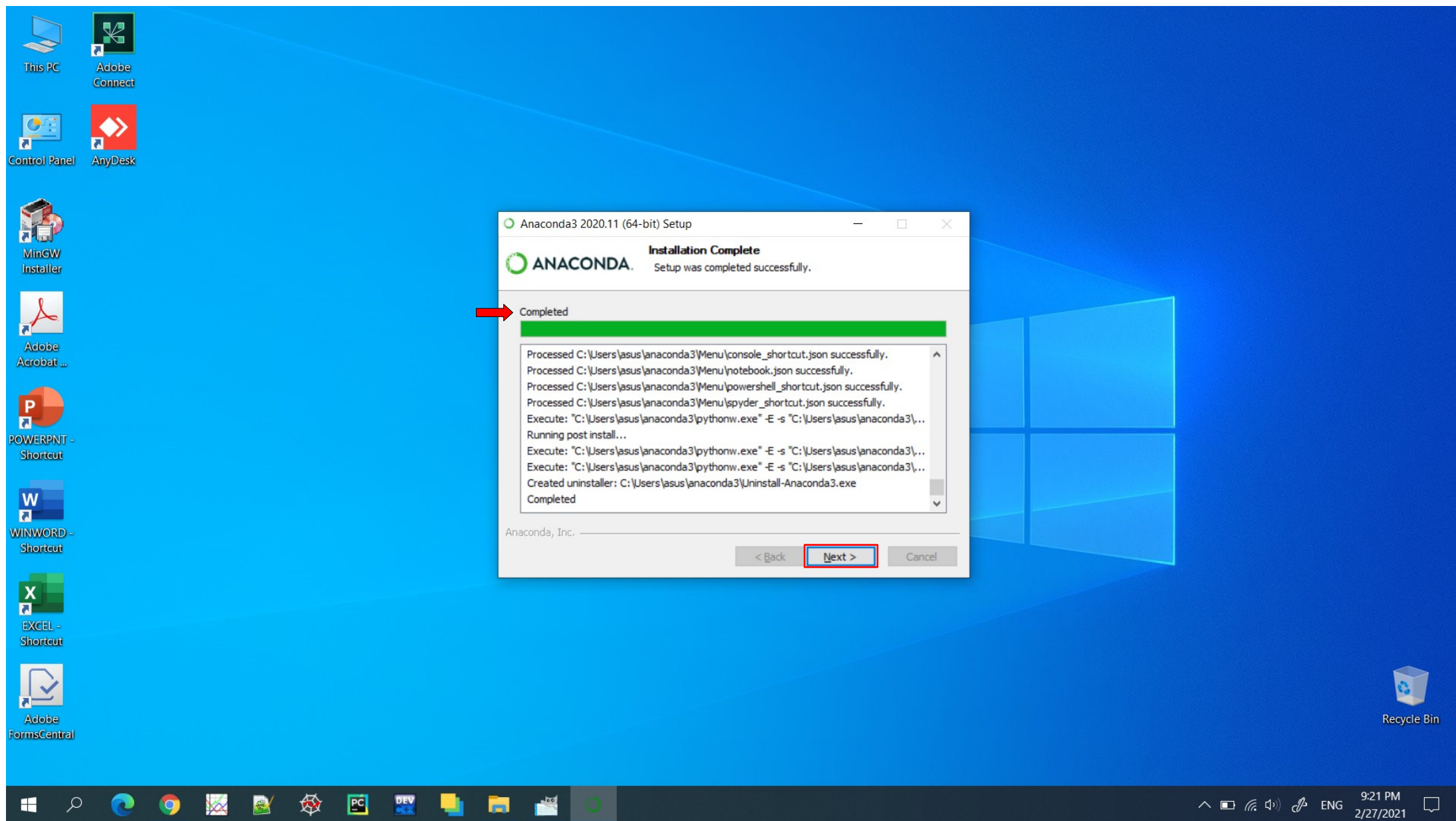
مسیر نصب را روی سیستم خود مشخص کنید.

نصب Anaconda

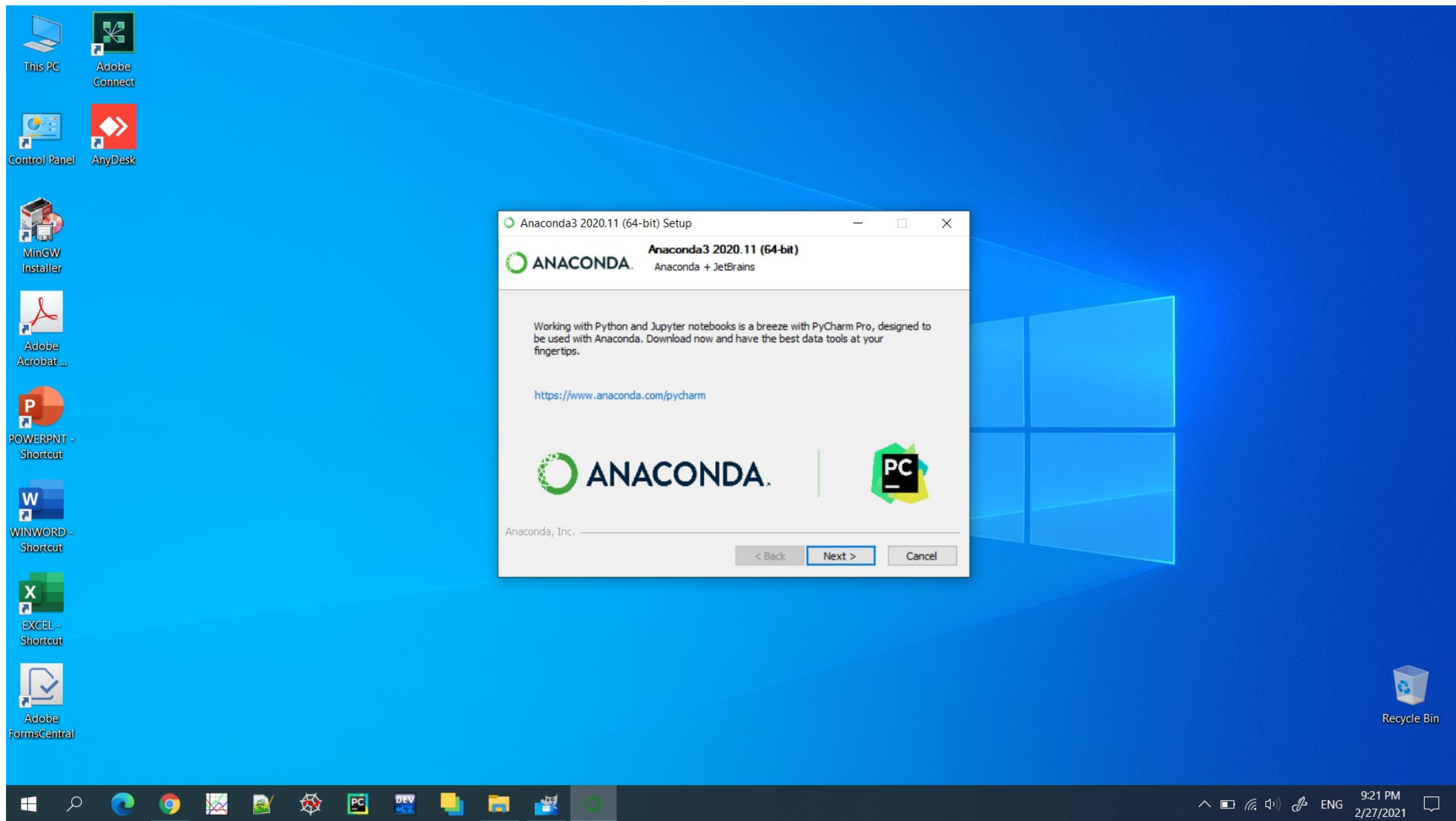




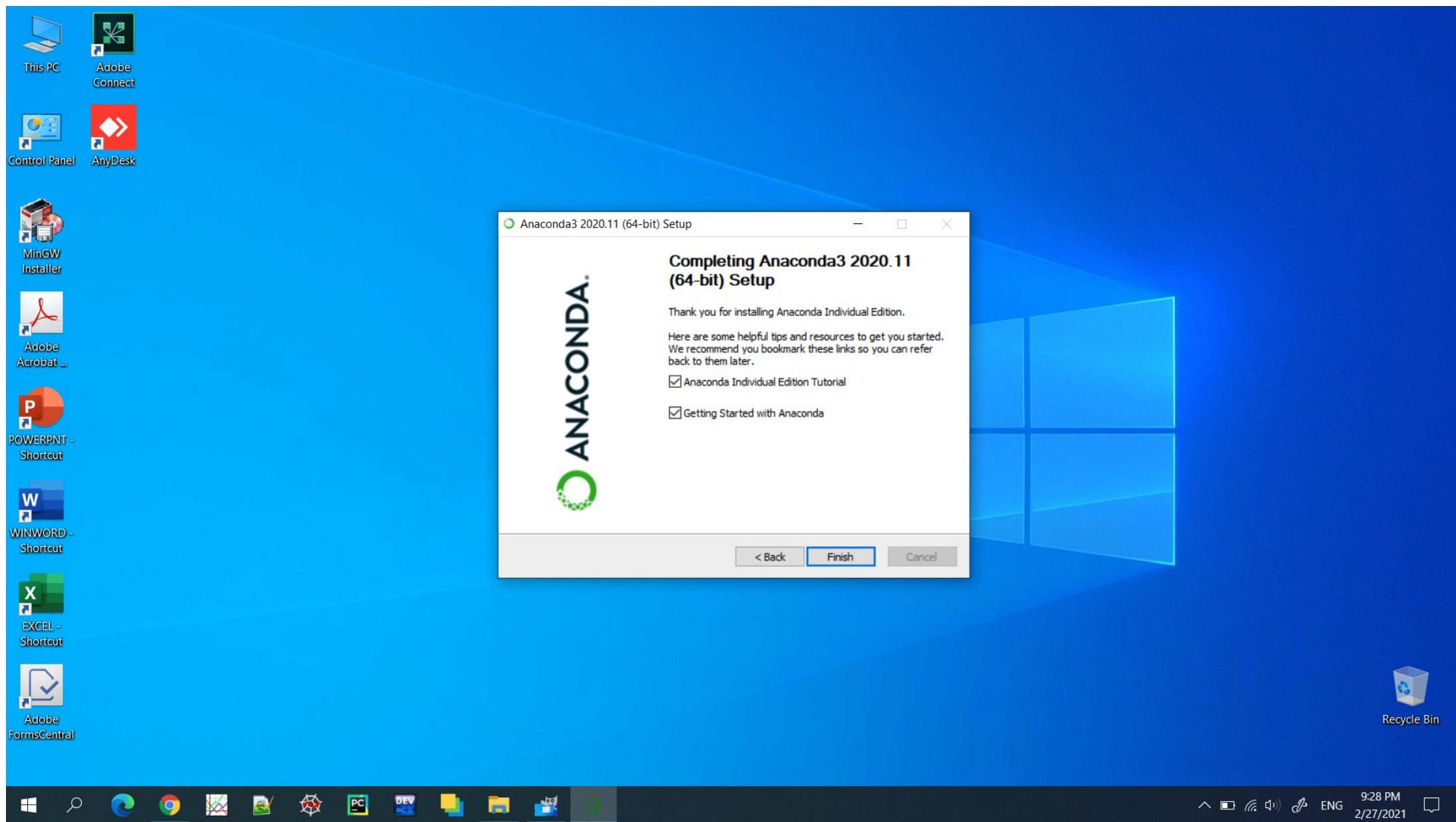
مدت نصب نسبتاً طولانی!



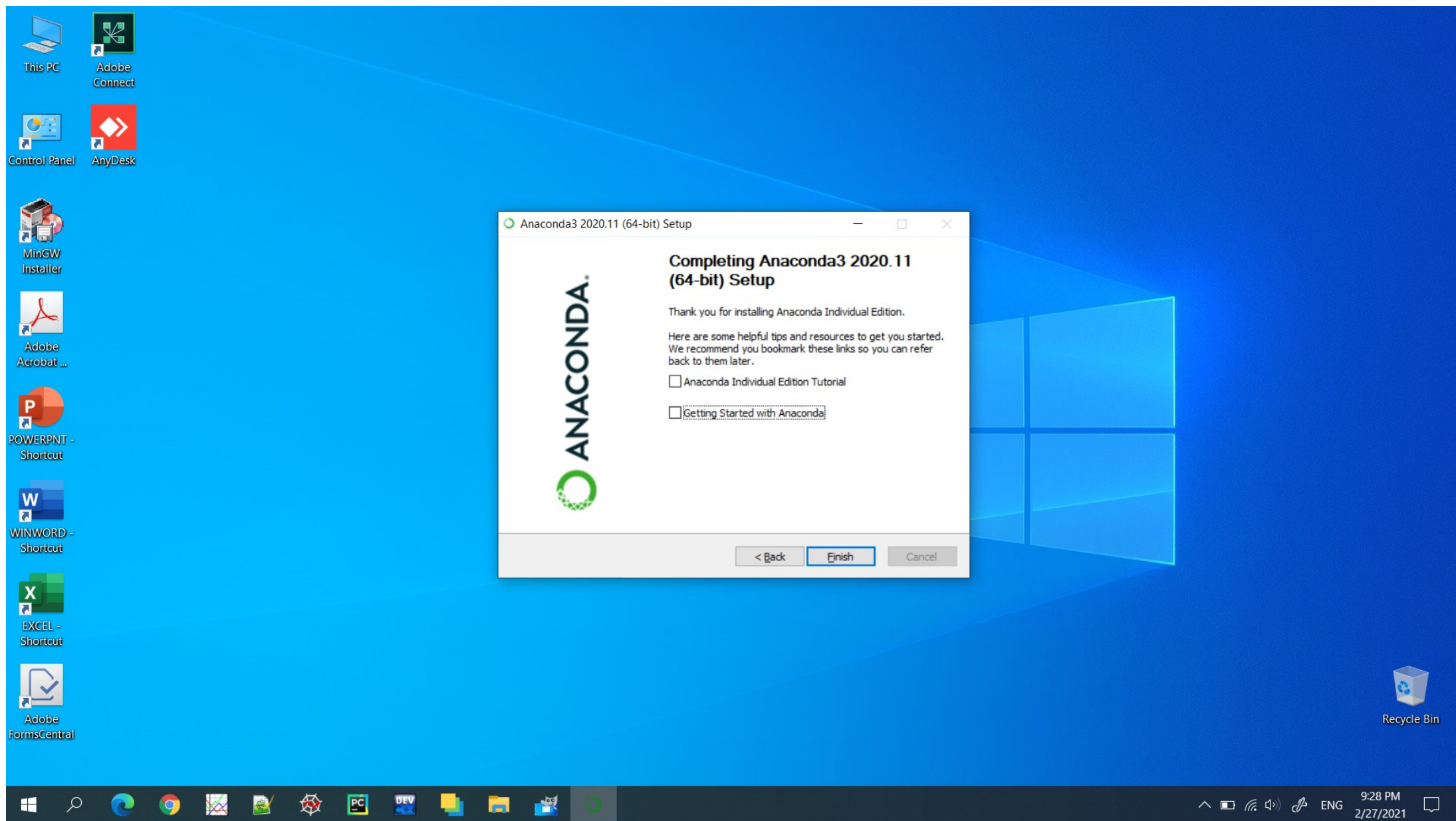
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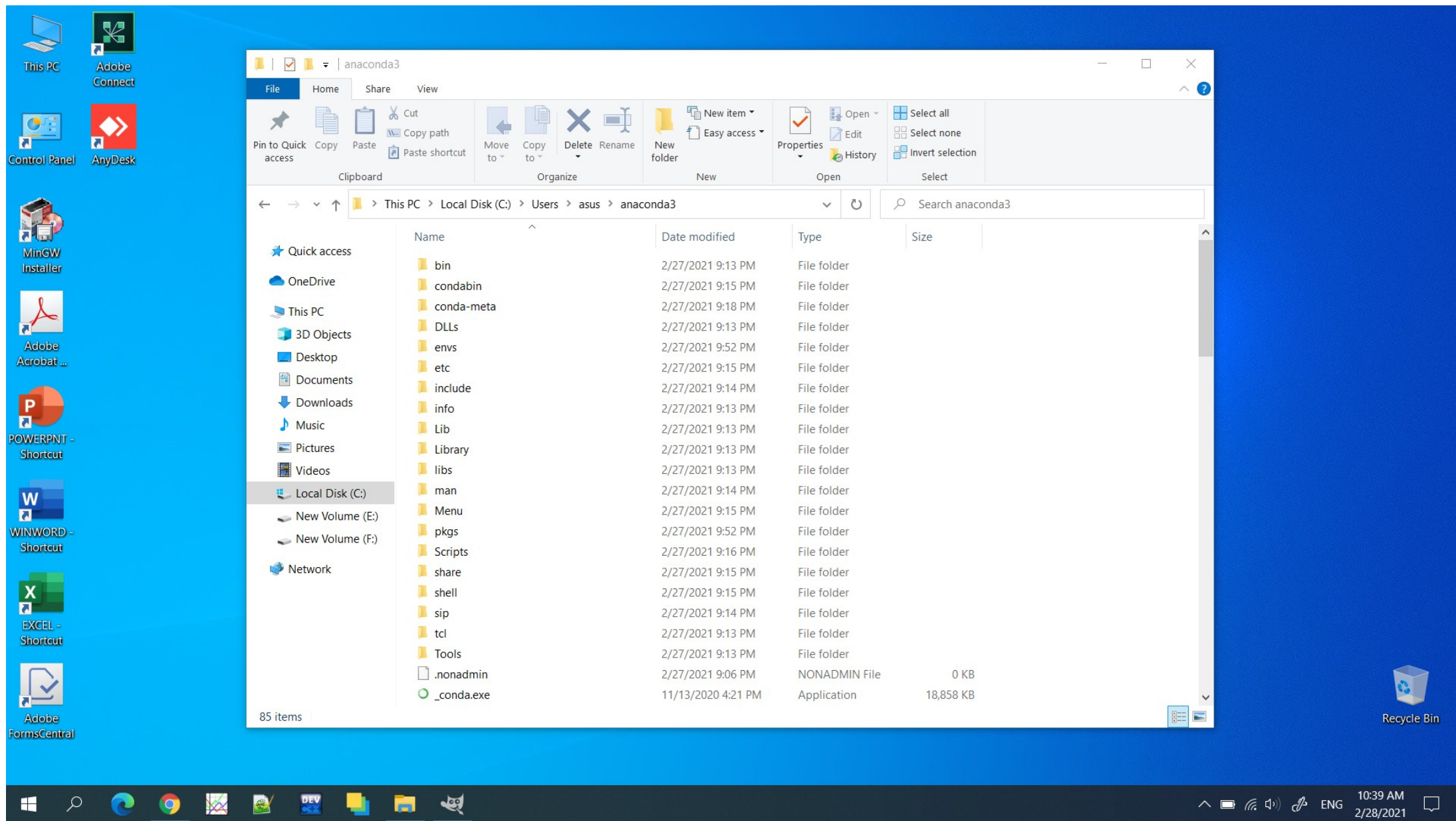
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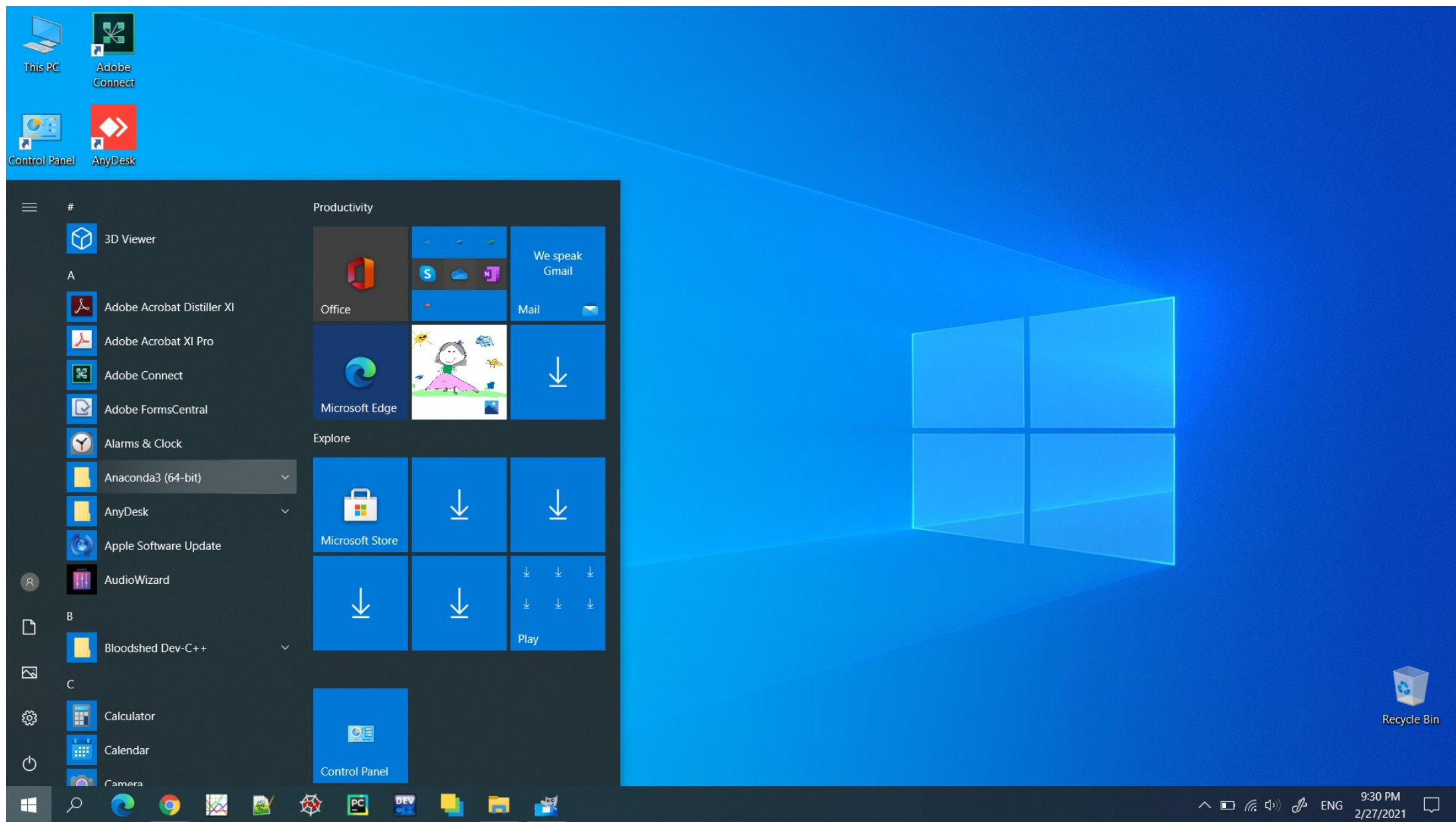
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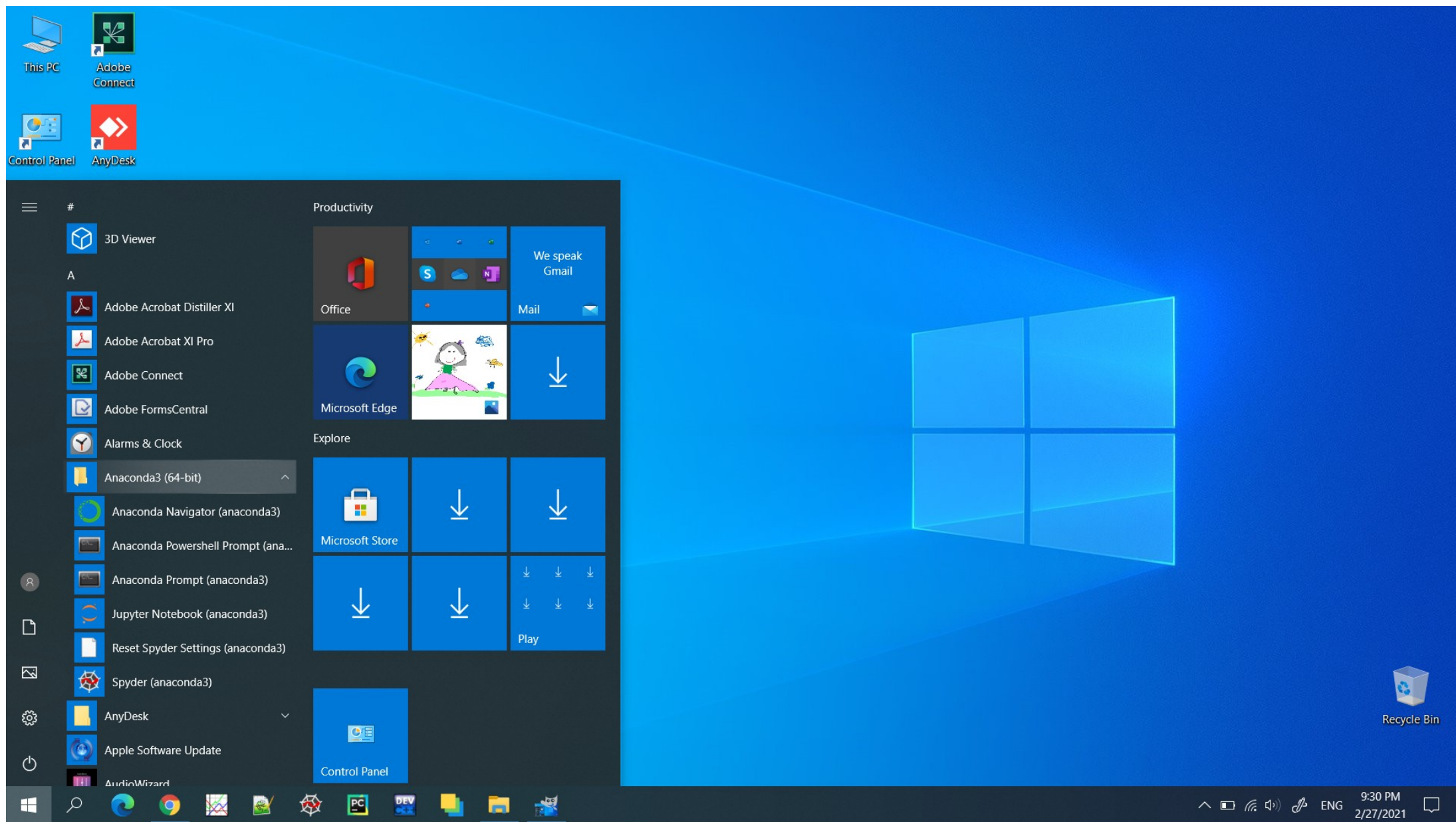
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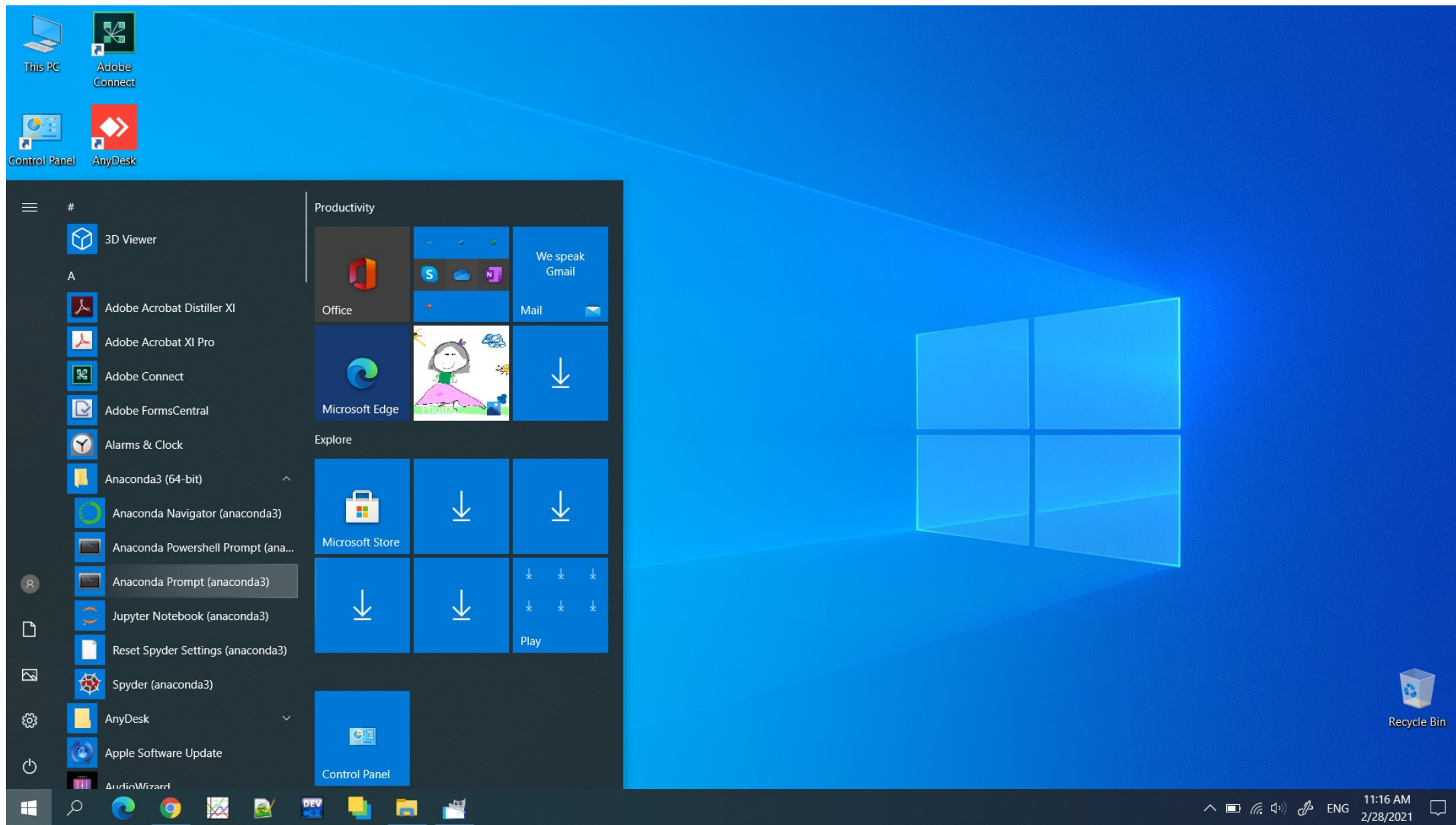


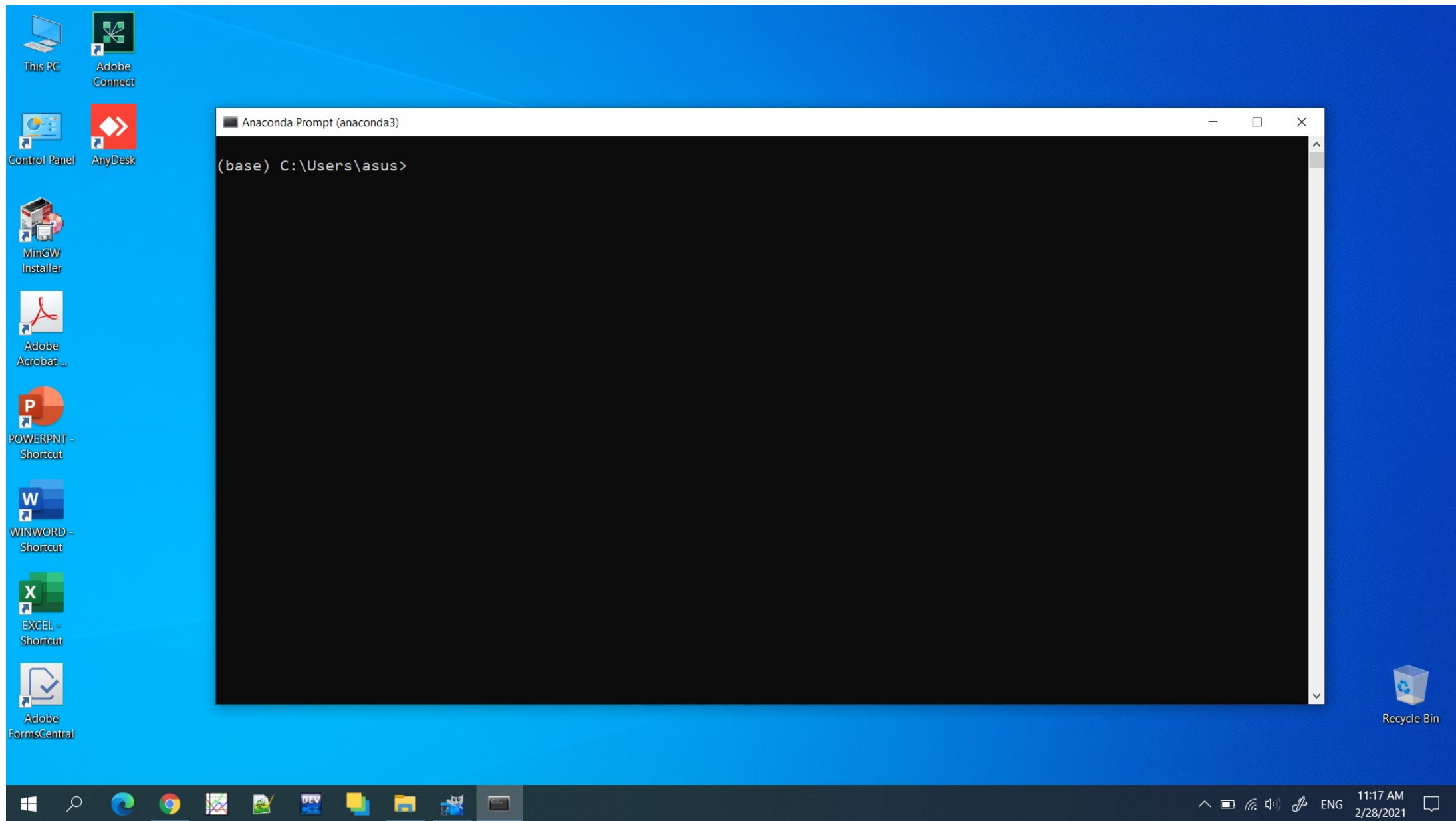
نصب Anaconda



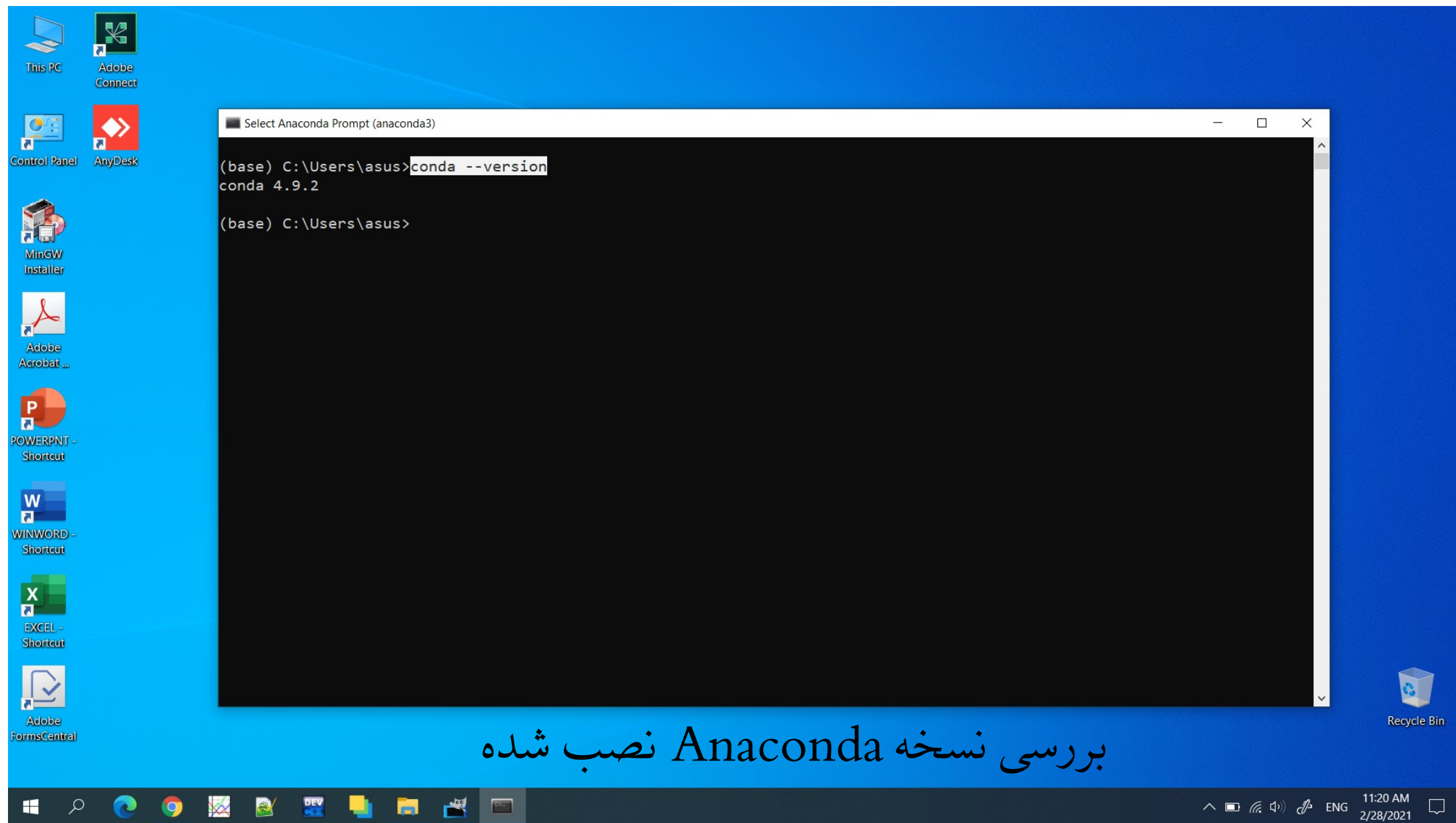
نصب Anaconda



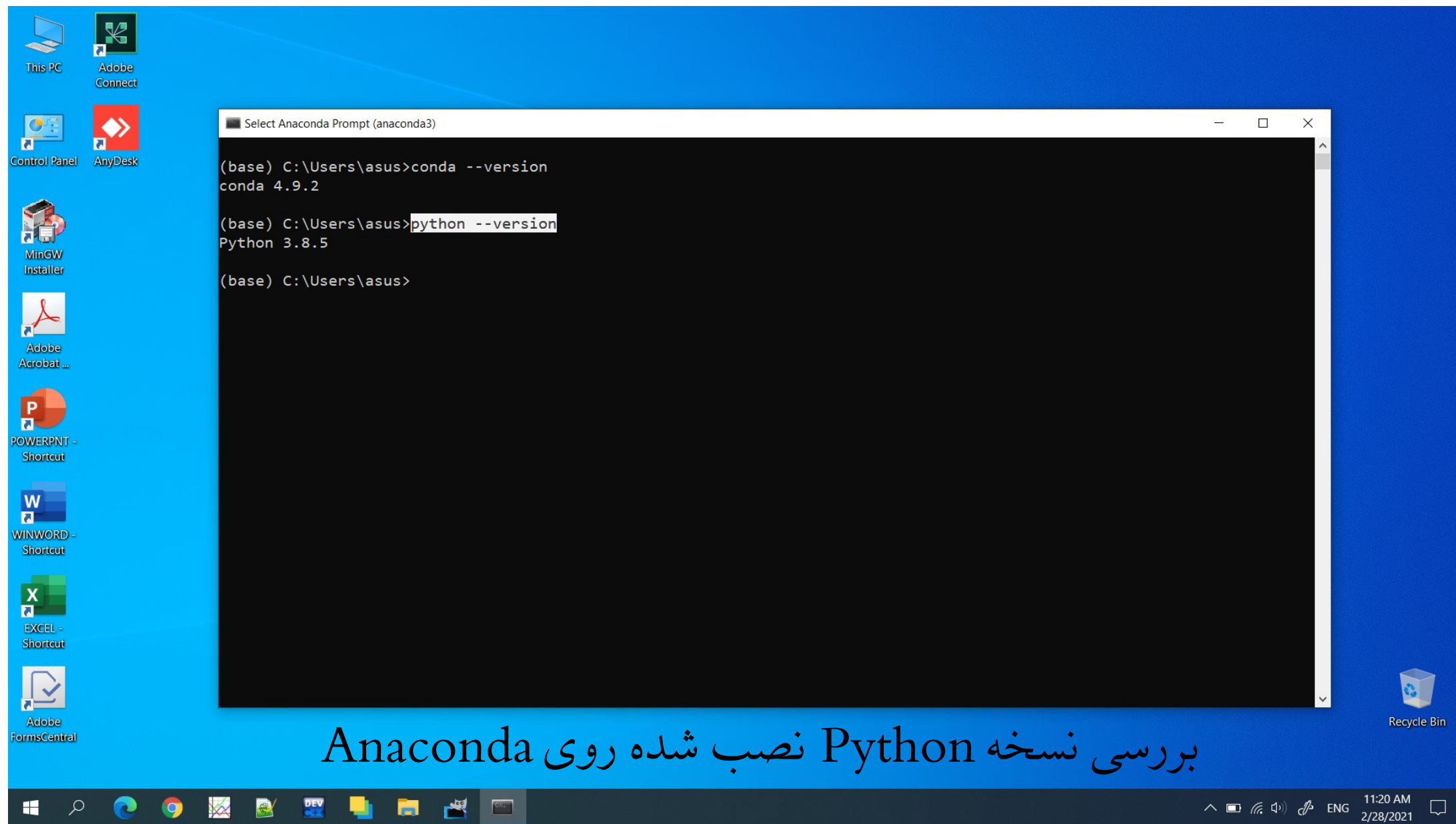




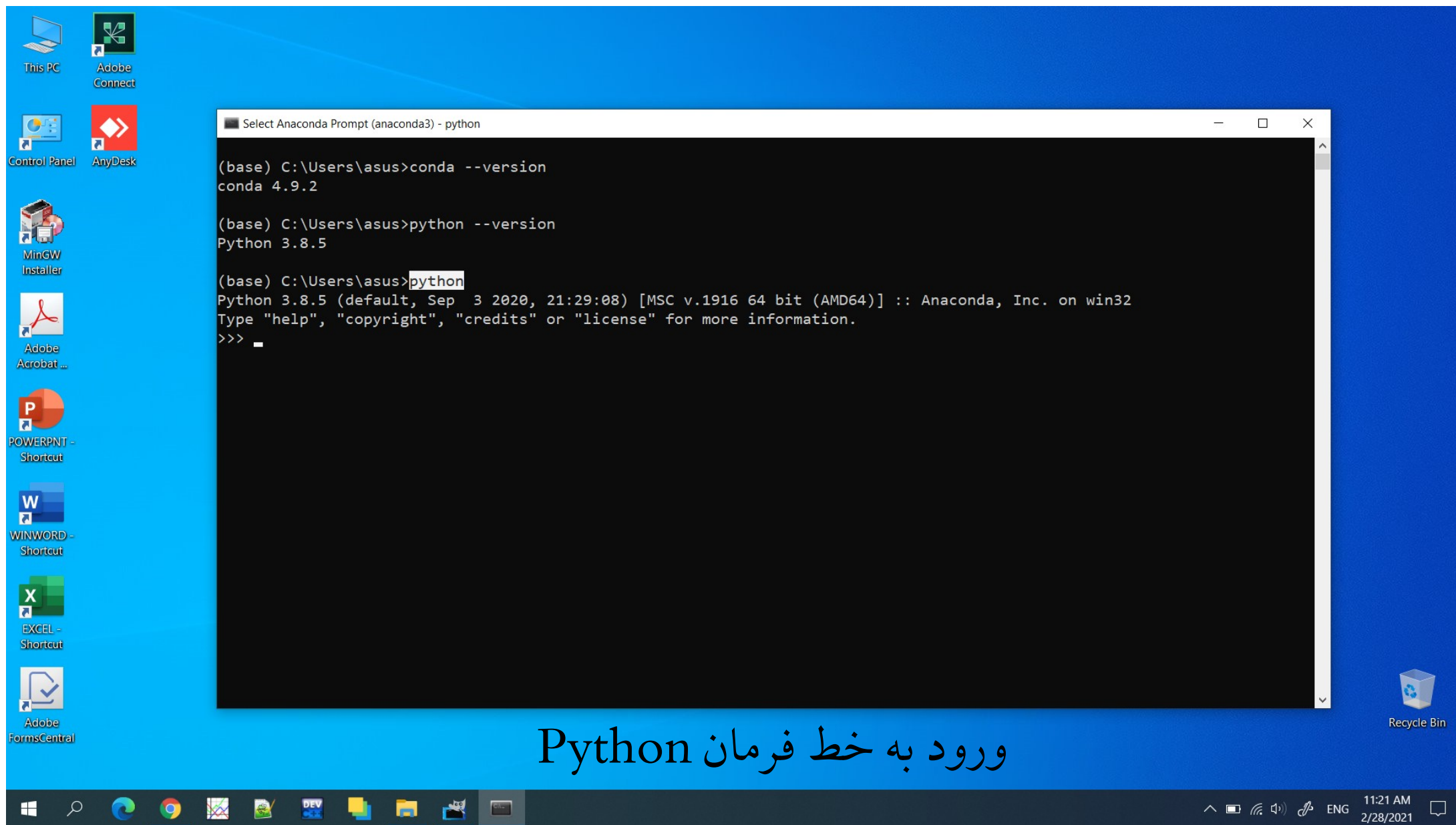
راه اندازی conda و python بر روی Anaconda Prompt



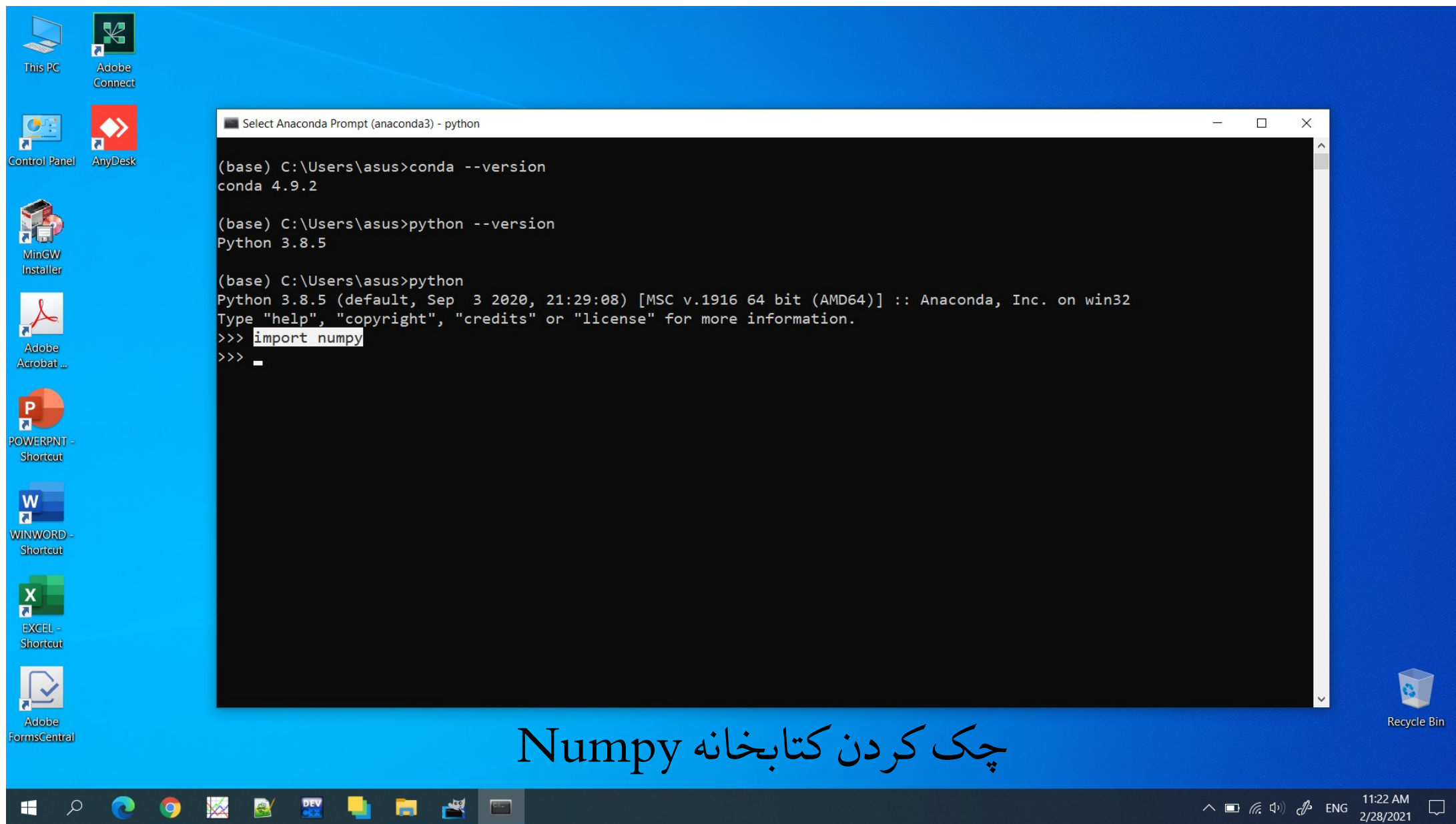
بررسی نسخه Anaconda نصب شده

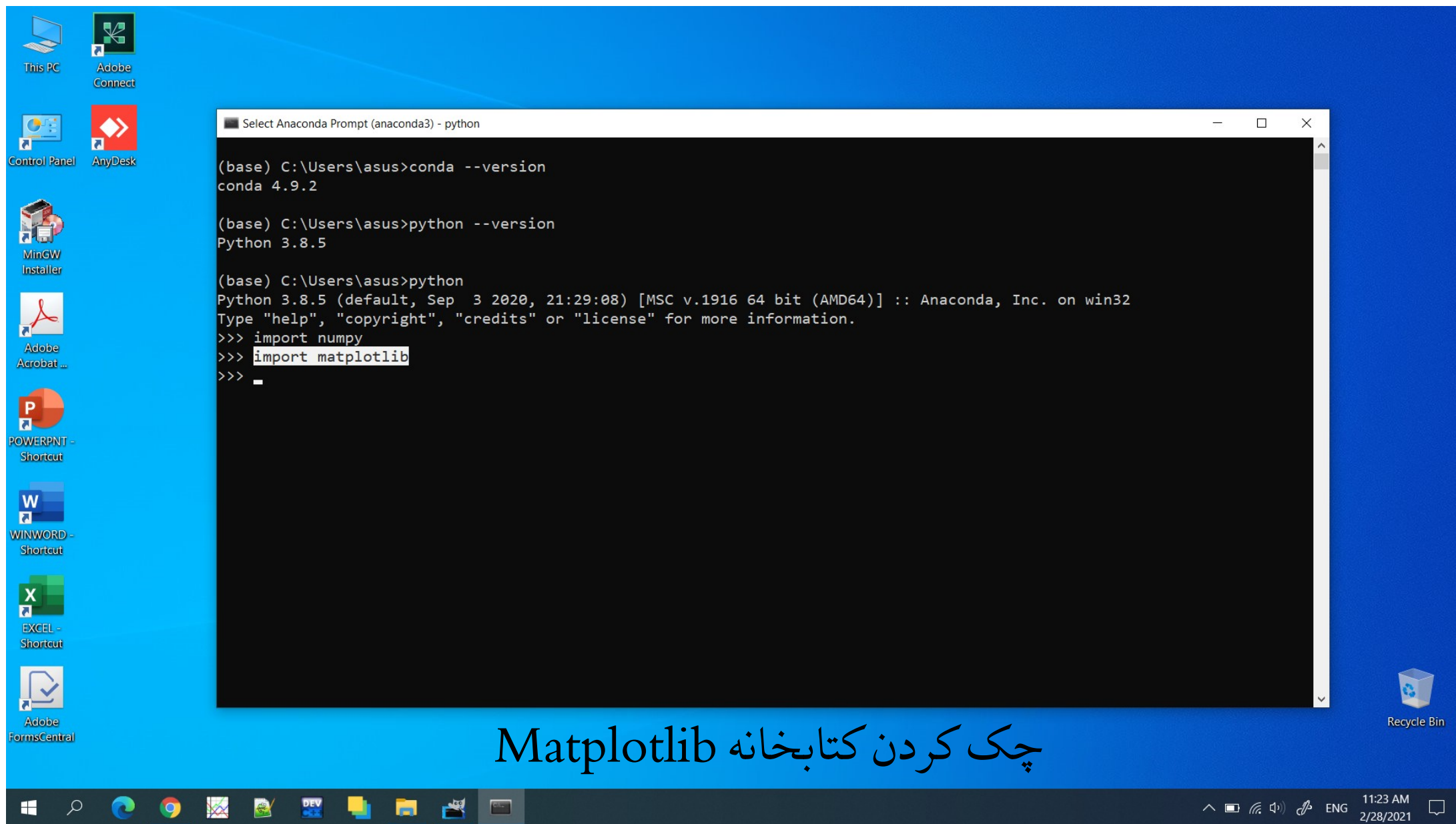


بررسی نسخه Python نصب شده روی Anaconda

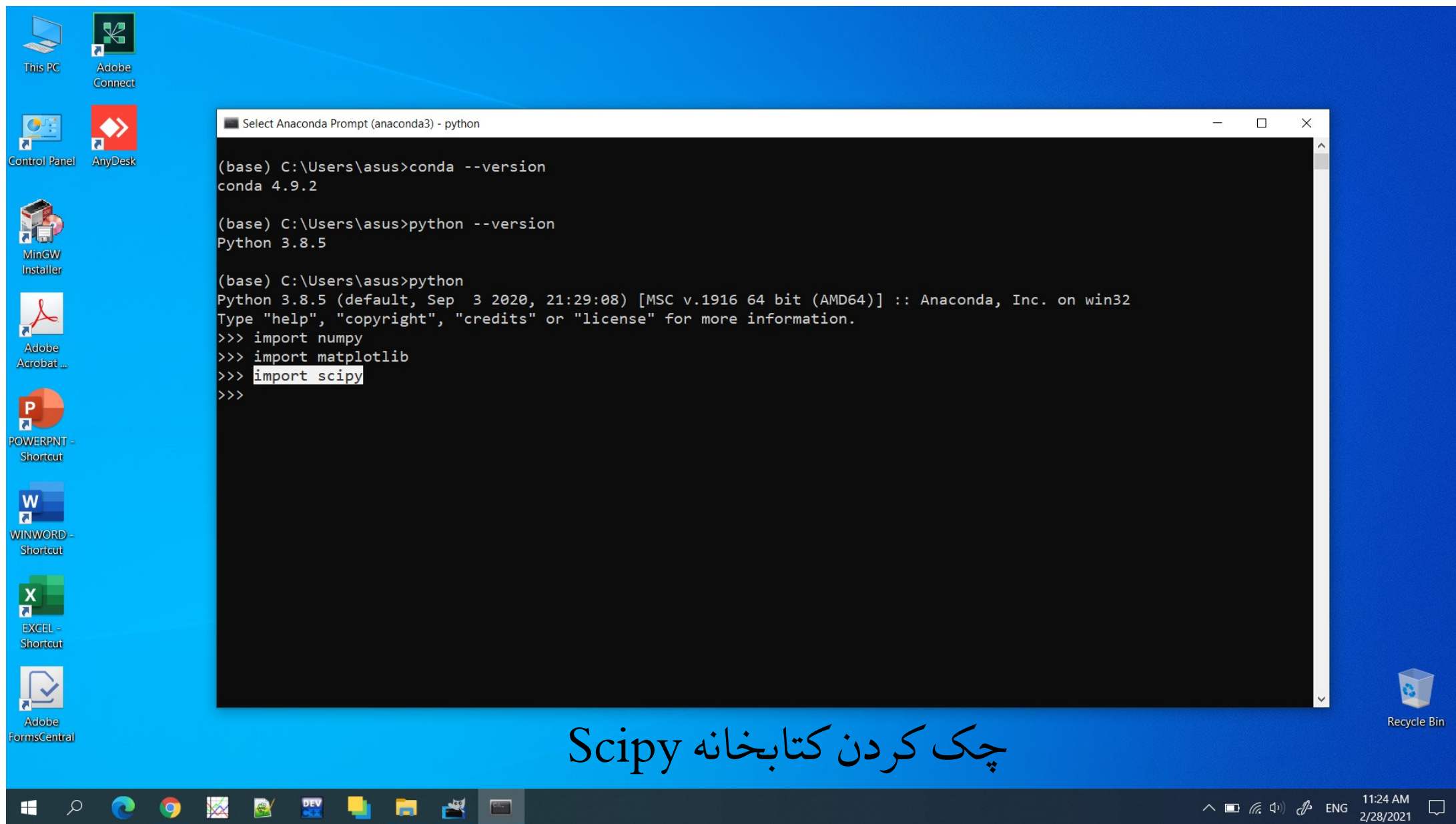


ورود به خط فرمان Python



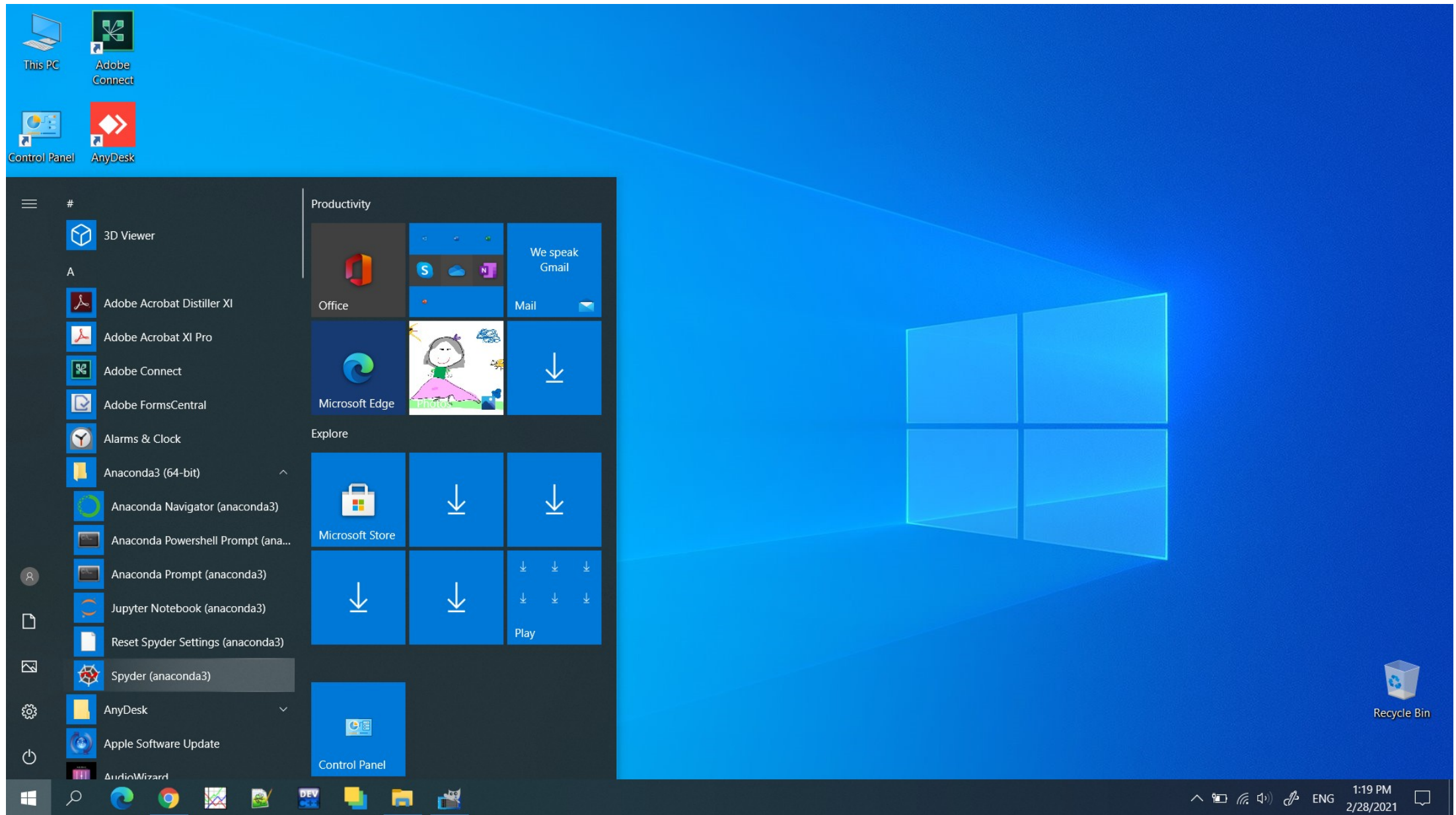


چک کردن کتابخانه Matplotlib





خارج شدن از خط فرمان Python و بازگشت به Anaconda Prompt



محیط برنامه نویسی Spyder

محیط برنامه نویسی Spyder

