# **Anaconda & Spider Installation for windows:**

1. Please click on the link below

# https://www.anaconda.com/download/#windows



2. Click on **Download**, and then you have to check for compatibility of your Pc, after that it will start downloading.

Anaconda Installers				
Windows 🕊	MacOS 🗉	Linux 👌		
Python 3.8	Python 3.8	Python 3.8		
64-Bit Graphical Installer (466 MB)	64-Bit Graphical Installer (462 MB)	64-Bit (x86) Installer (550 MB)		
32-Bit Graphical Installer (397 MB)	64-Bit Command Line Installer (454 MB)	64-Bit (Power8 and Power9) Installer (290 MB)		

- 3. Double click the installer to launch.
- 4. Click Next.

Anaconda3 2020.07 (64-bit) Setup			$\times$
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5. Read the licensing terms and click "I Agree".

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Press Page Down to see th	e rest of the agreement.					
End User License Agreeme	nt - Anaconda Individual Edition			^		
Copyright 2015-2020, Ana	Copyright 2015-2020, Anaconda, Inc.					
All rights reserved under t	he 3-dause BSD License:					
and Anaconda, Inc. ("Ana (which was formerly know	conda") and governs your use of Anaco n as Anaconda Distribution).	onda Individua	l Edition	~		
If you accept the terms of the agreement, click I Agree to continue. You must accept the agreement to install Anaconda3 2020.07 (64-bit).						
Anaconda, Inc						
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6. Select an install for "Just Me" unless you're installing for all users (which require Windows Administrator privileges) and click Next.

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7. Select a destination folder to install Anaconda and click the Next button.

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Space required: 3.0GB Space available: 18.2GB Anaconda, Inc. —————					
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8. Choose whether to add Anaconda to your PATH environment variable. We recommend not adding Anaconda to the PATH environment variable, since this can interfere with other software.

Instead, use Anaconda software by opening Anaconda Navigator or the Anaconda Prompt from the Start Menu

**NOTE**: Choose whether to register Anaconda as your default Python. Unless you plan on installing and running multiple versions of Anaconda or multiple versions of Python, accept the default and leave this box checked.

9. Click the Install button. If you want to watch the packages Anaconda is installing, click Show Details

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Advanced Options	o my PATH environment variable			
Not recommended. I menu and select "An Anaconda get found cause problems requ	nstead, open Anaconda3 with the Window aconda (64-bit)". This "add to PATH" optio before previously installed software, but r irring you to uninstall and reinstall Anacond	s Start n makes nay a.		
Register Anacono This will allow other p PyCharm, Wing IDE, detect Anaconda as	da3 as my default Python 3.7 programs, such as Python Tools for Visual S PyDev, and MSI binary packages, to auto the primary Python 3.7 on the system.	itudio matically		
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## 10. Click the Next button.



### 11. And then click the Finish button.

Anaconda3 2020.02 (64)	l-bit) Setup	_		$\times$
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- 12. After a successful installation you will see the "Thanks for installing Anaconda" dialog box:
- 13. To open Anaconda Navigator, just search it in the windows search. After opening, it will appear as follows. You will see various applications available on the base (root) environment.

#### Creating a new environment and installing Qiskit

Step-1: After installing the Anaconda, open Anaconda Navigator. Click on "Environments"

me	Search Environments	٩	Installed	v Channels Update Index.	Search Packages
vironments	base (root)	0	Name	T Description	Version
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			alabaster	O Lightweight, configurable sphinx theme	A 07.11
aconda Blog			altair	O A declarative statistical visualization library for python	5.0.1
0.0.0			- anaconda-anon-		

Step-2: First click on "Create" at the bottom, it will open a box. Give a name of the environment, and then click on "Create" in the box. It will create the environment.

<ul> <li>Anaconda Navigator</li> </ul>			- 0 ×
	IDA.NAVIGATOR		Connected to Cloud Connect V
ft Home	Search Environments Q	Installed v Channels Update index.	Search Packages Q
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Documentation		aicsignal     O Aicsignal: a list of registered asynchronous callbacks	1.2.0
		alabaster O Lightweight, configurable sphinx theme	A 0.7.12
Anaconda Blog		A declarative statistical visualization library for python	5.0.1
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Step-3: Click on "Home", verify the name of the environment, and then "Install" Spyder.

After installation is complete, "Launch" the spyder



Step-4: In the spyder console, type "pip install qiskit" and enter.



After qiskit is installed, install visualization tool using "pip install qiskit[visualization]"



Step-5: Next type the below lines in spyder console:

import qiskit

```
print(qiskit.__version__)
```

If qiskit is installed correctly, it will print the version information.



Step-6: similarly install qiskit-aer and matplotlib one-by-one using

pip install qiskit-aer

and

#### pip install matplotlib



Step-7: Finally restart the kernel

