

Setting up the Anaconda Environment

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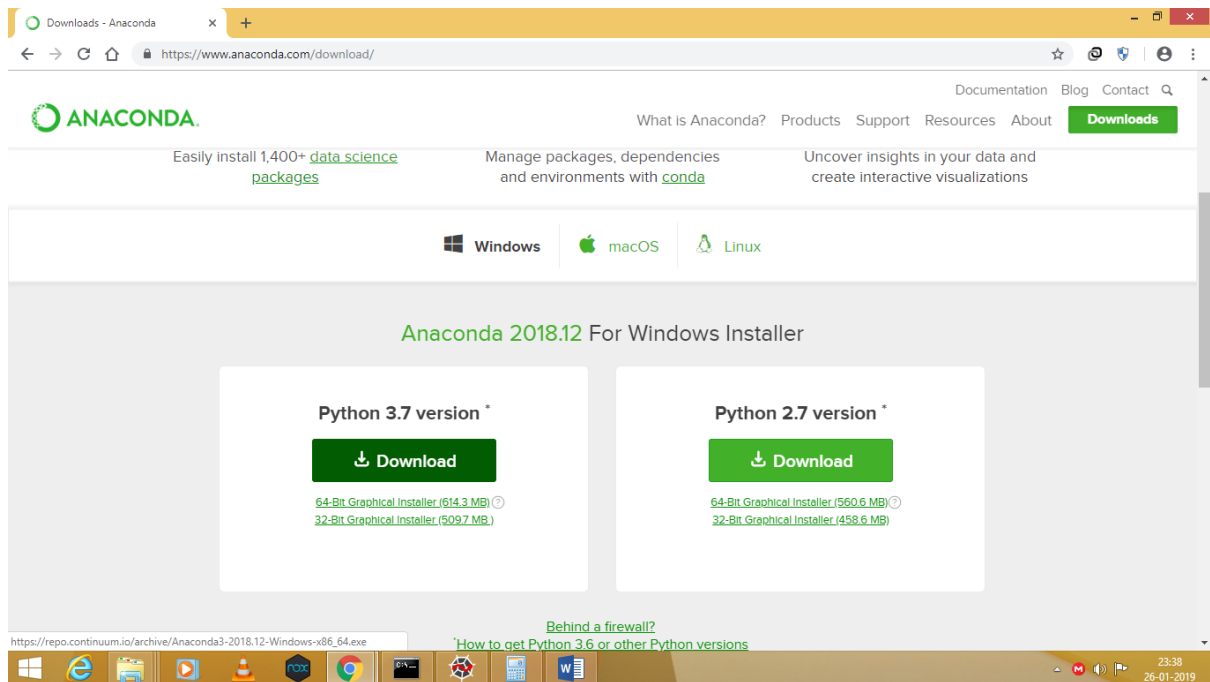
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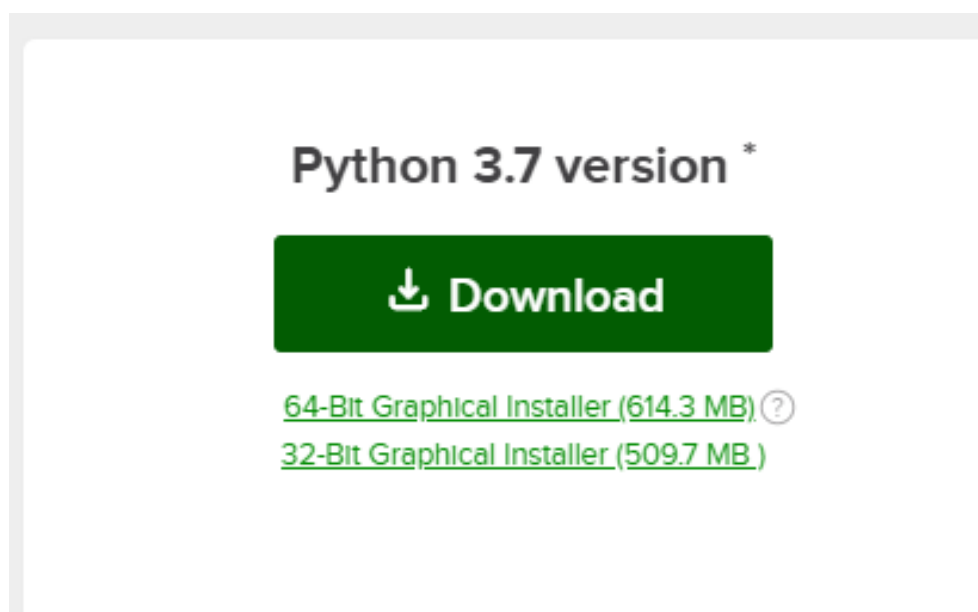
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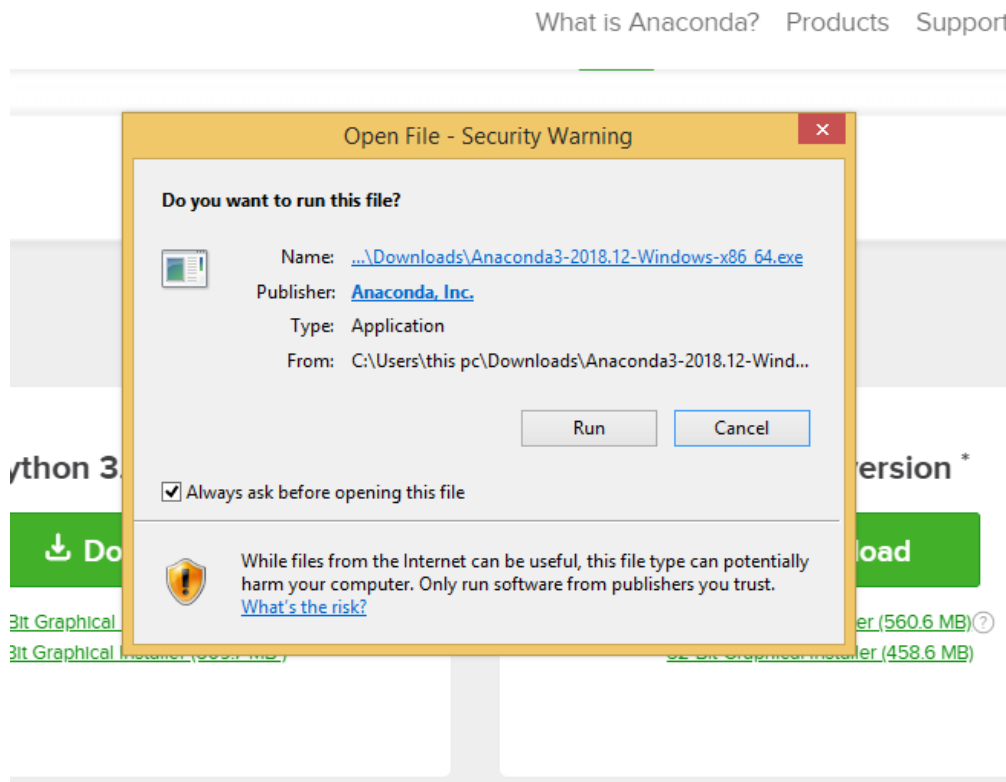
3. Scroll to get to this section of the page.



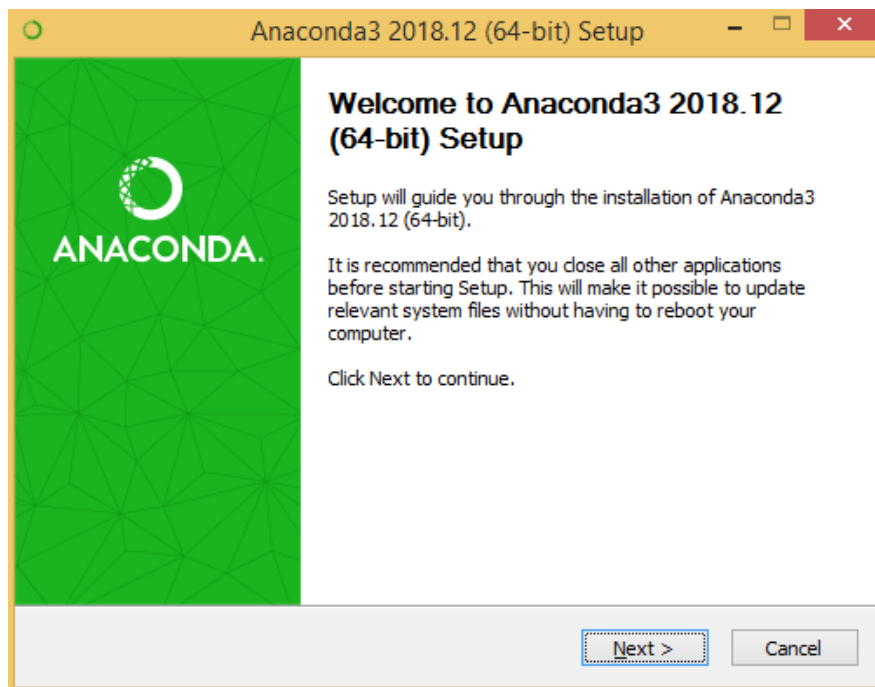
4. If you have a 64-bit architecture **download the 64-Bit installer**. Otherwise if you don't have the 64-bit architecture then just **download the 32-Bit** one.



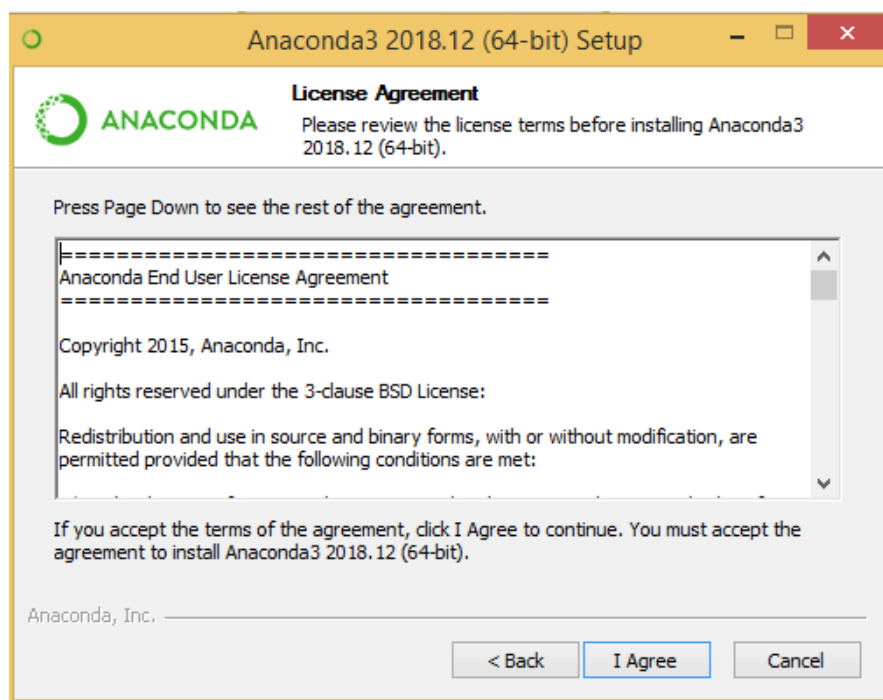
5. Once downloaded. Open and **“Run”** the .exe file.



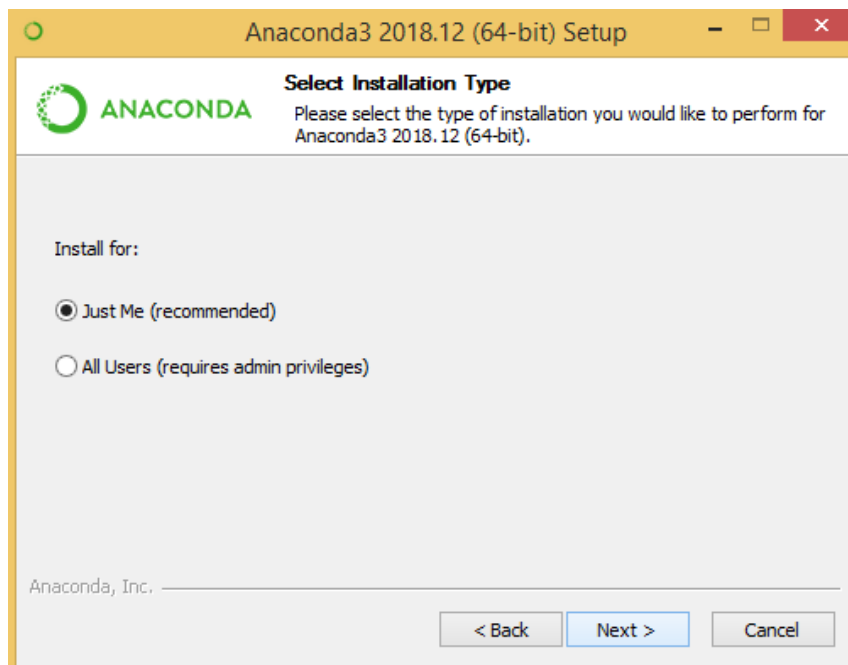
6. You'll get this installation Wizard after step 5. Click on **“Next”** to continue.



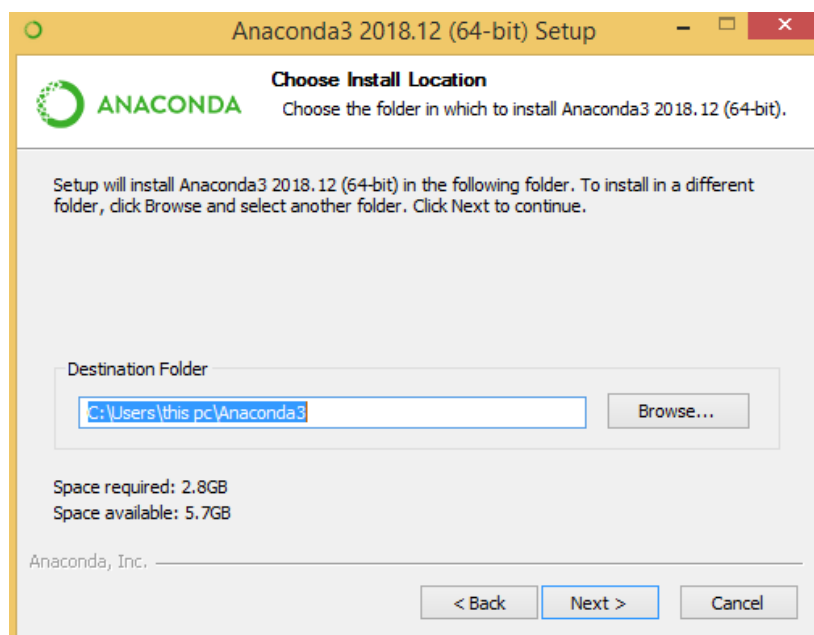
7. Click on **“I Agree”**.



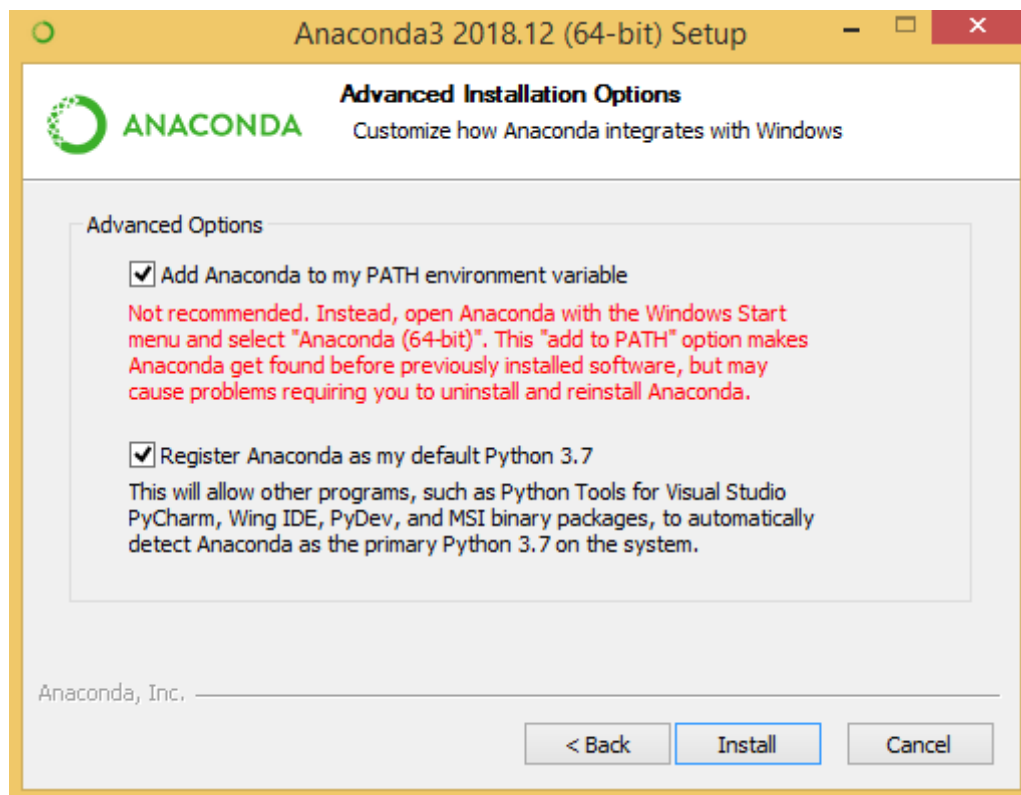
8. Select an appropriate option as per your requirement and Click on **“Next”**.



9. Select where you want to install “Anaconda3” and Click on **“Next”**.



10. Checkmark on both options if this is your first ever installation of an environment for python. Otherwise checkmark the second and hit **“Install”**.



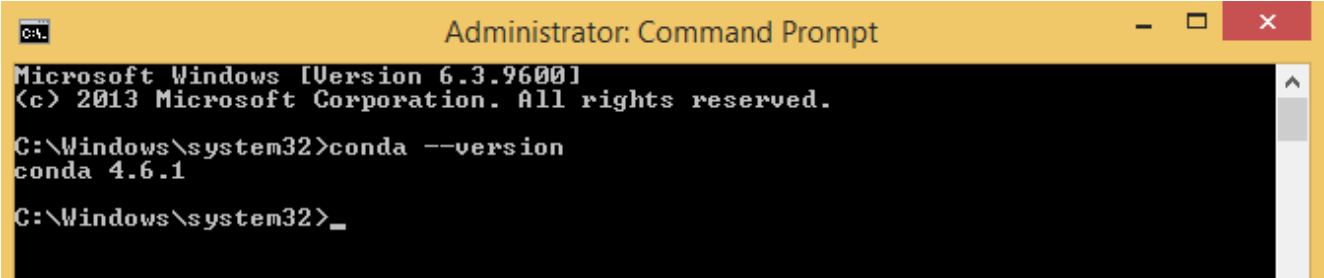
After Installation go explore the **Anaconda Navigator** and your new **Python IDE (SPYDER)**.

- **Setting up OpenCV**

1. Go to **“Start”** and type **“anaconda prompt”** in the search field and open it.

(* If you had check-marked the **“Add anaconda to my PATH variable”** then you can continue with **“command prompt (as admin)”** as well instead of anaconda prompt.)

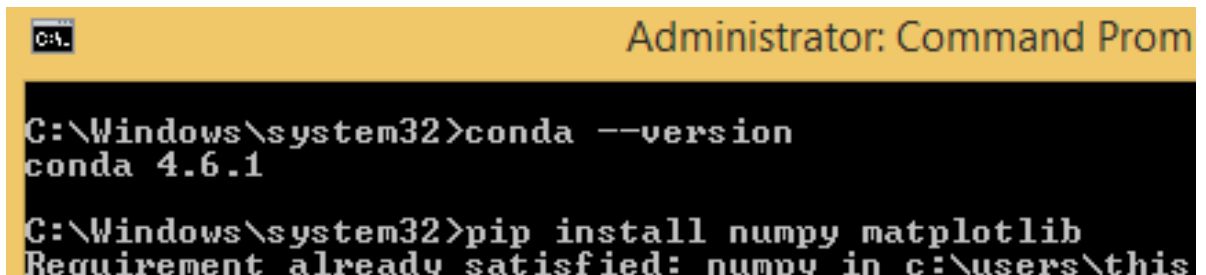
2. Once you start either the **“anaconda prompt”** or the **“command prompt (as admin)”** you will get a screen as follows, and type in the command **“conda<space><hyphen><hyphen>version”** to check whether conda is working or not



```
Administrator: Command Prompt
Microsoft Windows [Version 6.3.9600]
(c) 2013 Microsoft Corporation. All rights reserved.
C:\Windows\system32>conda --version
conda 4.6.1
C:\Windows\system32>_
```


3. Now type in the following command:

“pip<space>install<space>numpy<space>matplotlib”
to install **“numpy”** and **“matplotlib”** modules. If they are already available then **“Requirement already satisfied”** message will be displayed otherwise the packages will be installed.



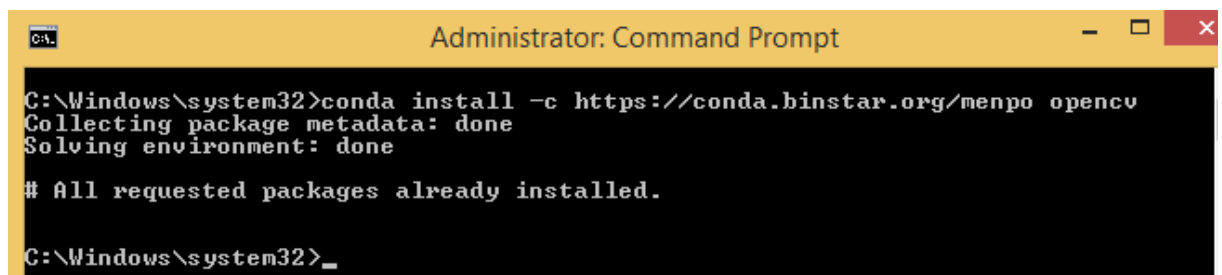
```
C:\Windows\system32>conda --version
conda 4.6.1

C:\Windows\system32>pip install numpy matplotlib
Requirement already satisfied: numpy in c:\users\this
```

4. Now type in the command :

**“conda<space>install<space><hyphen>c<space>
https://conda.binstar.org/menpo<space>opencv**

”. This will download and setup the OpenCV environment modules. And you are good to go for creating your first OpenCV based program.



```
Administrator: Command Prompt
C:\Windows\system32>conda install -c https://conda.binstar.org/menpo opencv
Collecting package metadata: done
Solving environment: done

# All requested packages already installed.

C:\Windows\system32>_
```

(* The downloading process for opencv packages will begin instead of the above message and will take around a couple of minutes)

For any queries contact:

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