



Andhra Pradesh State Skill Development Corporation (APSSDC)



Python Programming



ANACONDA



NumPy



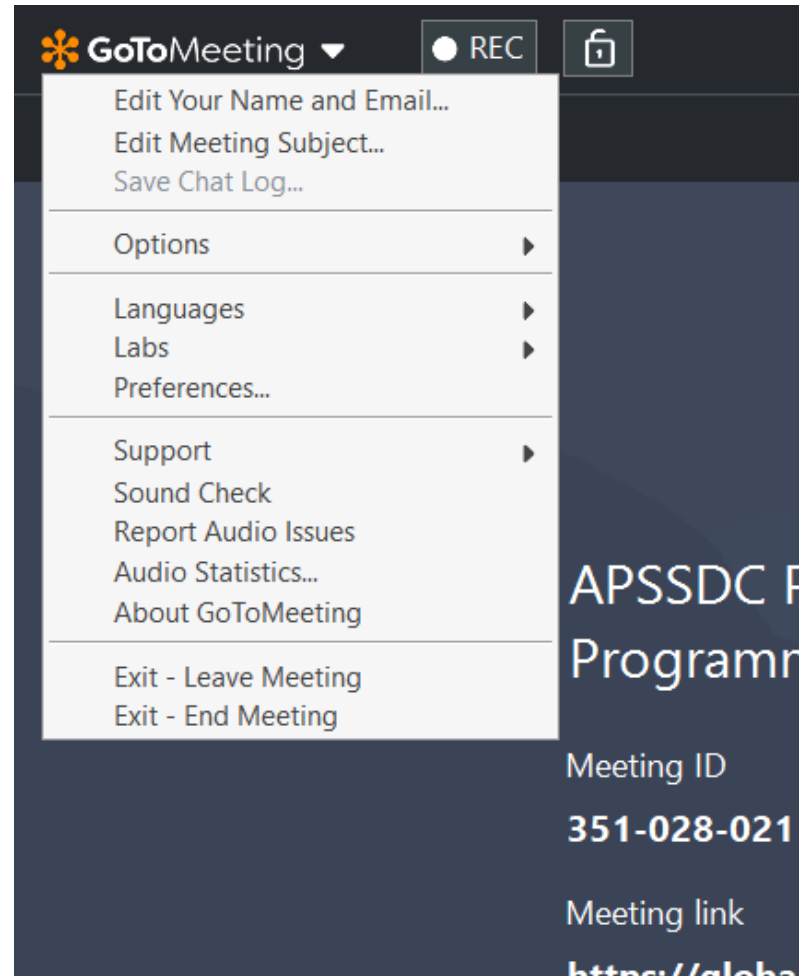
pandas



matplotlib

For Attendance
and Verification
Purpose

RollNo-Name-
CollegeCode/
CollegeName
And Registered
Email ID



Resources

<https://bit.ly/apssdc-python-sip1-am>

Why python?

Why python



have caused uncertainties on the country's job market, but the demand for niche job skills has not dried up. Corporates are hiring talent to select roles that require specialised certifications in niche skills across business segments.



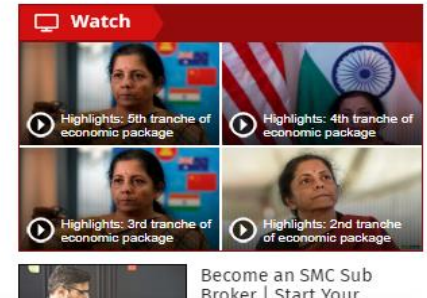
Moneycontrol gives you a lowdown on the top 10 skills in demand across Indian corporates in times of COVID-19:

Python programming language

Python is the second most loved programming language, according to StackOverflow developer survey, and for a reason. It is easier to learn, efficient and is usually the programming language taught in schools and colleges.

RELATED NEWS

So it is one of the most preferred languages for data scientists, Artificial



Features of Python

Easy To Learn,
Code And Read

Free And Open-
source

High-level
Programming
Language

Portable And
Extensible

Interpreted

Object-oriented

Embeddable

Large Range Of
Library

GUI Programming

Dynamically
Typed

PYTHON PROGRAMMING APPLICATIONS

Python had been developed to assimilate and work dynamically across various platforms. Here is a list of applications on its functional role:

1. Artificial
Intelligence

2. Machine
Learning

3. Data Analysis

4. Web
Development

5. Game
Development

6. Embedded
Applications

7. Scripting
Applications

History

Python is an interpreted, high-level, general-purpose programming language.

- 1994 -----> v1.0
- 2000 -----> v2.0
- 2008 -----> v3.0
- 2019 -----> v3.8



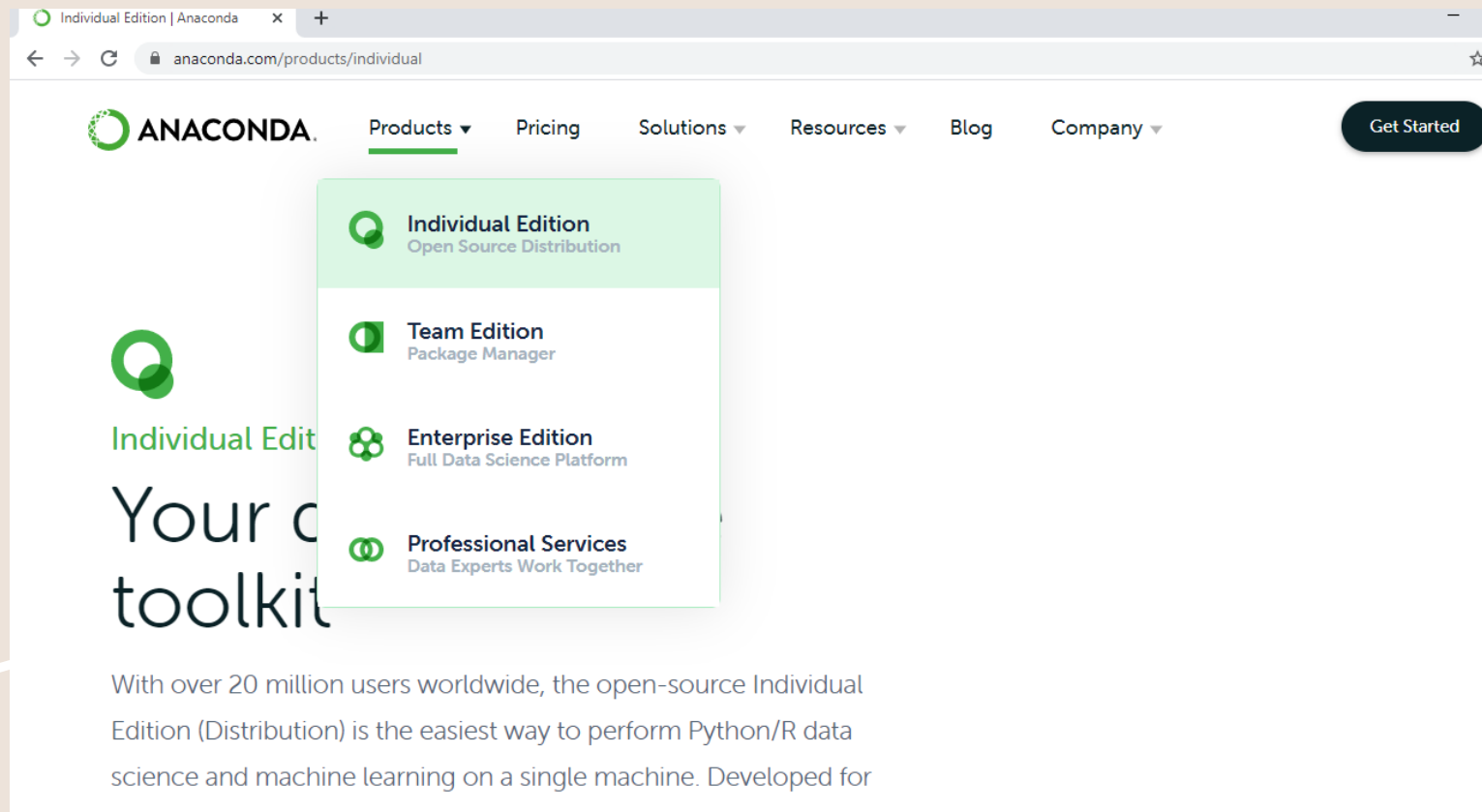
Guido Van Rossum

Softwares

- Basic python IDLE
 - from <https://www.python.org/downloads/>
- Jupyter Notebook by Anaconda Distributions
 - From <https://www.anaconda.com/products/individual>
- Google Colab by Google cloud service
 - From <https://colab.research.google.com/>
- Different online editors
 - From <https://repl.it/languages/python3>

Anaconda Installation

Installation








The screenshot shows the Anaconda website's 'Individual Edition' product page. The browser's address bar displays 'anaconda.com/products/individual'. The navigation bar includes the Anaconda logo, a 'Products' dropdown menu (which is open), and links for 'Pricing', 'Solutions', 'Resources', 'Blog', and 'Company'. A 'Get Started' button is located in the top right corner. The 'Products' dropdown menu lists four options: 'Individual Edition' (Open Source Distribution), 'Team Edition' (Package Manager), 'Enterprise Edition' (Full Data Science Platform), and 'Professional Services' (Data Experts Work Together). The main content area features the Anaconda logo and the text 'Individual Edition' and 'Your data toolkit'. Below this, a paragraph states: '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'.

Individual Edition | Anaconda x +

anaconda.com/products/individual ☆

ANACONDA Products ▾ Pricing Solutions ▾ Resources ▾ Blog Company ▾ [Get Started](#)

-  **Individual Edition**
Open Source Distribution
-  **Team Edition**
Package Manager
-  **Enterprise Edition**
Full Data Science Platform
-  **Professional Services**
Data Experts Work Together

 Individual Edition
Your data 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

Downloading Anaconda Software

Windows

Python 3.7

64-Bit Graphical Installer (466 MB)

32-Bit Graphical Installer (423 MB)

Python 2.7

64-Bit Graphical Installer (413 MB)

32-Bit Graphical Installer (356 MB)

MacOS

Python 3.7

64-Bit Graphical Installer (442 MB)

64-Bit Command Line Installer (430 MB)

Python 2.7

64-Bit Graphical Installer (637 MB)

64-Bit Command Line Installer (409 MB)

Linux

Python 3.7

64-Bit (x86) Installer (522 MB)

64-Bit (Power8 and Power9) Installer (276 MB)

Python 2.7

64-Bit (x86) Installer (477 MB)

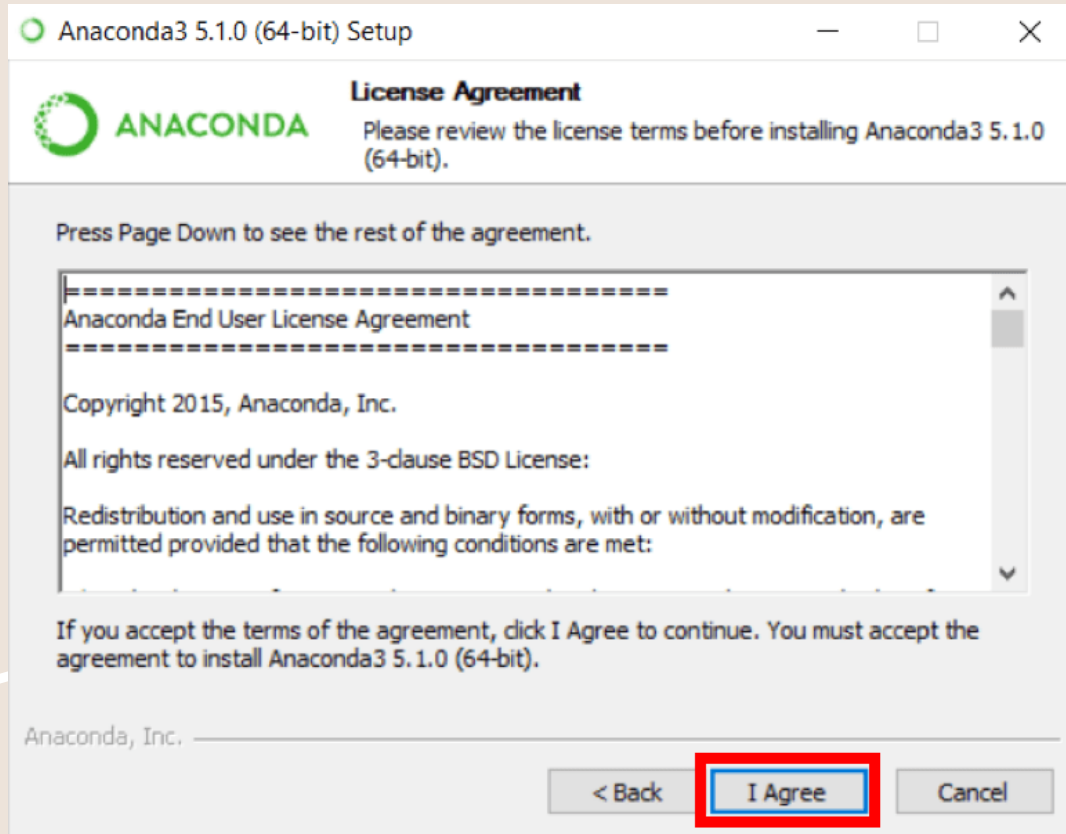
64-Bit (Power8 and Power9) Installer (295 MB)

Visit: <https://www.anaconda.com/products/individual>

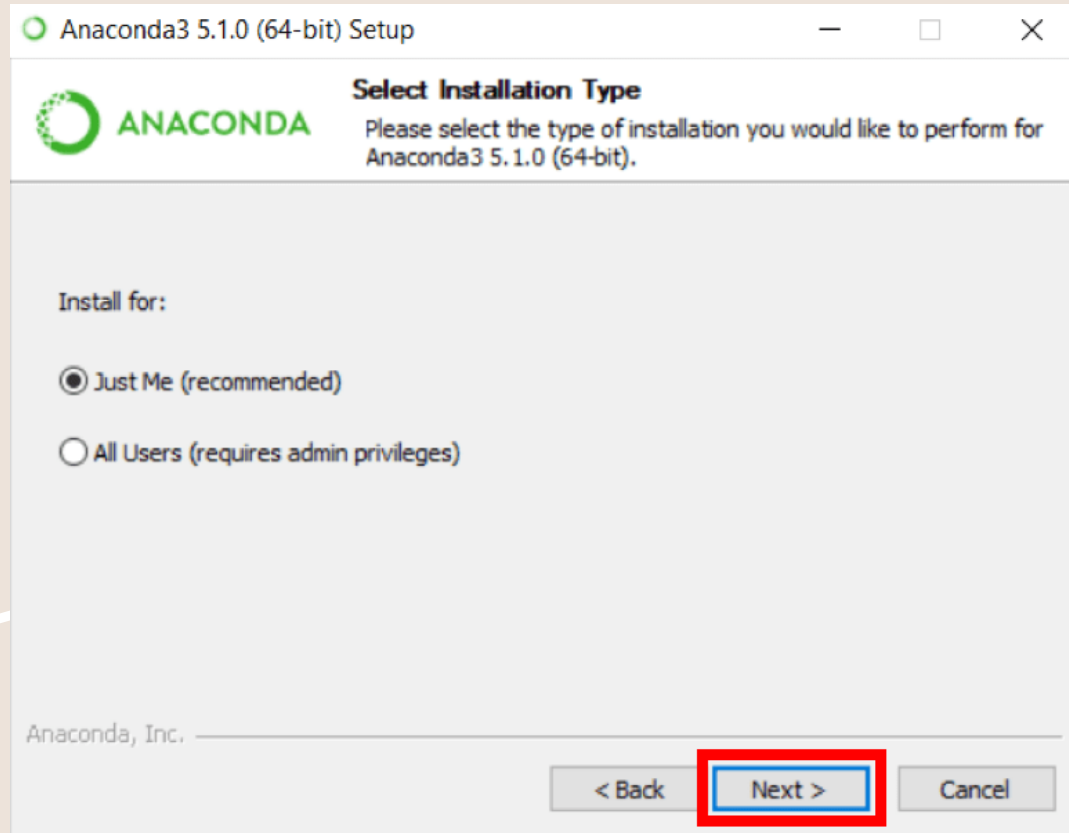
Installation



Installation




Installation



Installation

Anaconda3 5.1.0 (64-bit) Setup

 **ANACONDA** **Choose Install Location**
Choose the folder in which to install Anaconda3 5.1.0 (64-bit).

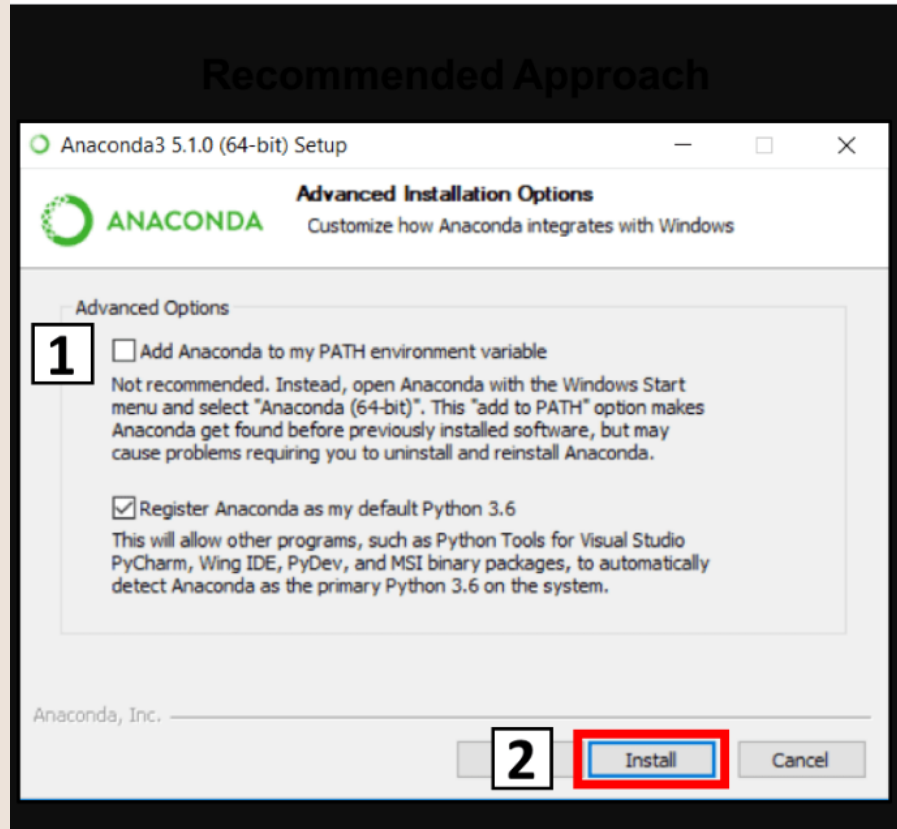
Setup will install Anaconda3 5.1.0 (64-bit) in the following folder. To install in a different folder, click Browse and select another folder. Click Next to continue.

Destination Folder

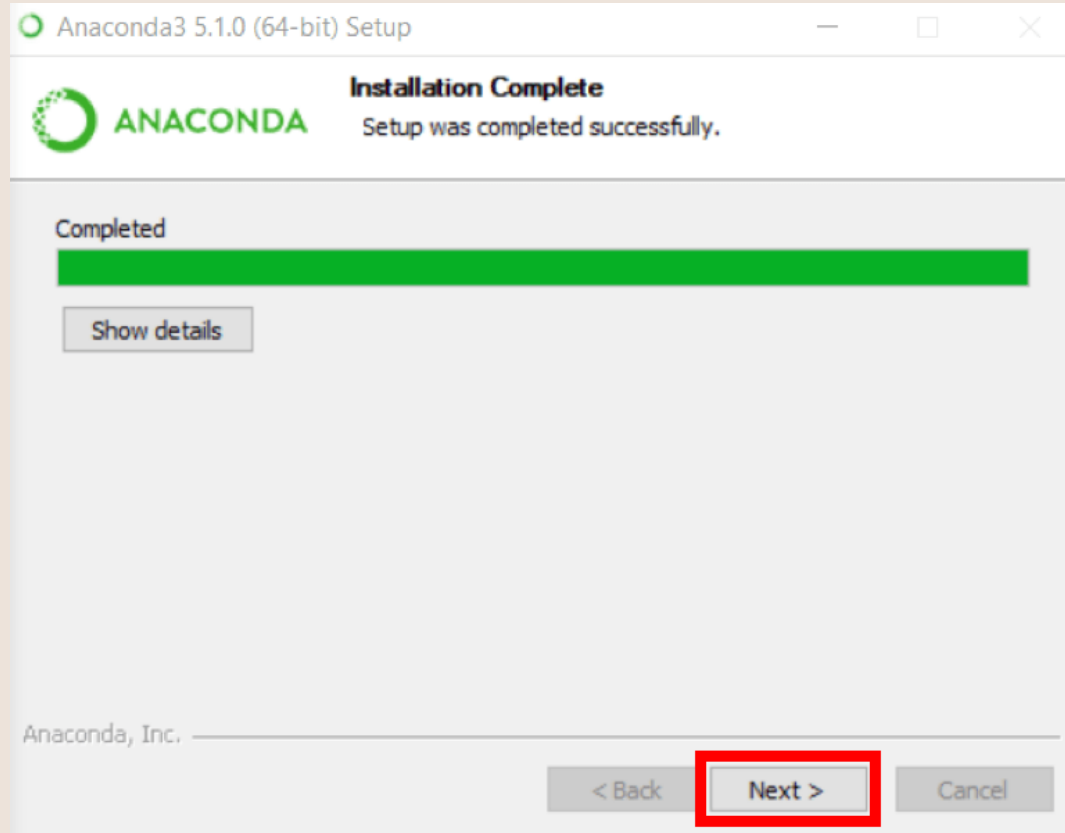
Space required: 2.5GB
Space available: 479.8GB

Anaconda, Inc.

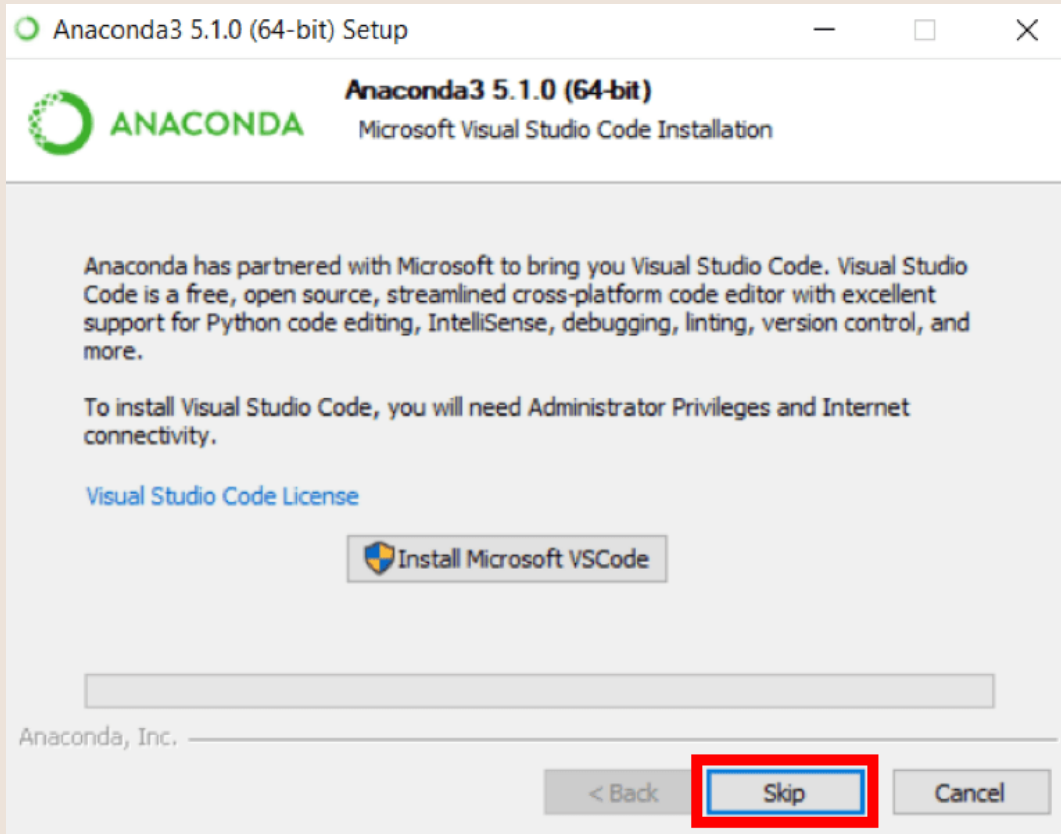
Installation



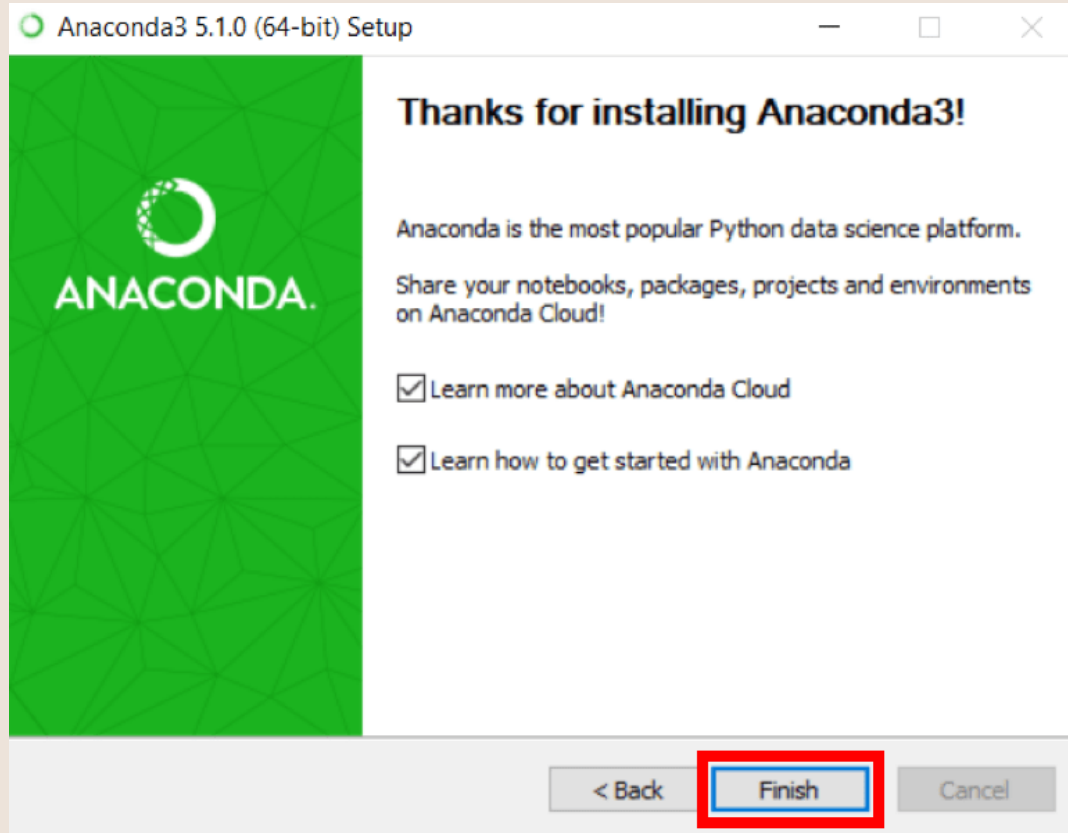
Installation



Installation

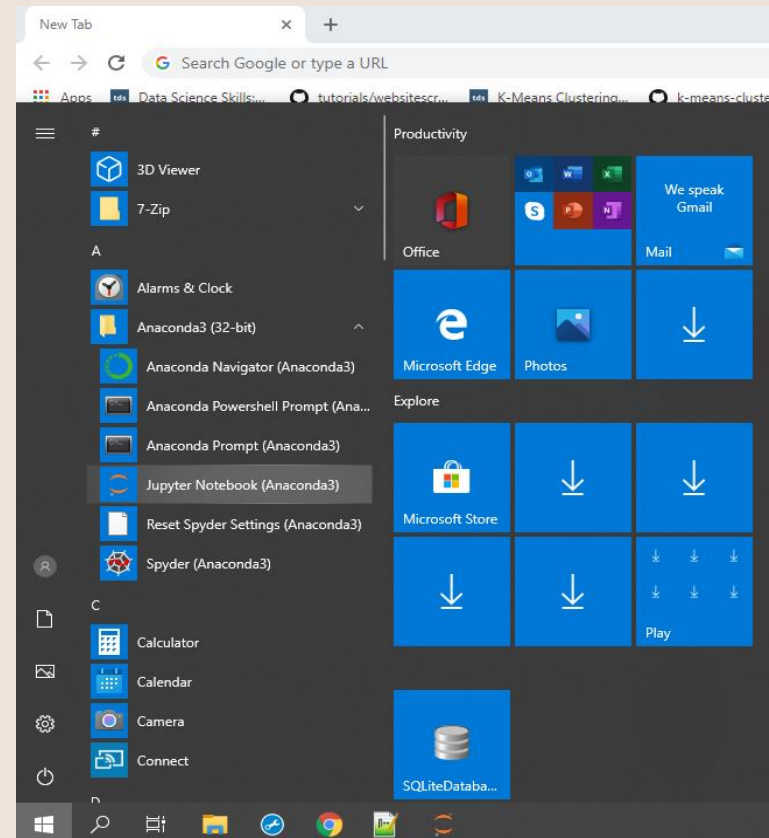


Installation



Let us start Jupyter Notebook

Launch Jupyter Notebook



It's time to experience  pythonTM