APSSDC

Andhra Pradesh State Skill Development Corporation

Skill AP
APSSDC

Faculty Improvement Program

On

Programming

History

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

Why python?

Why python ?

- Python is easy to learn and develop.
- Supports Object Oriented Programming.
- Platform independent.
- More number of Libraries.
- Developer community and open source.
- Develop different type of applications like web applications, Internet of Things, ML, Data Science and AI.

Why python

Hiring during the virus: These are

moneycontrol.com/news/business/economy/hiring-during-the-virus-these-are-the-top-10-in-demand-skills-in-india-now-5250501.html

Home | Coronavirus | News | Markets | Mutual Funds | Commodities | Insurance | Video | Podcast | Personal Finance | Portfolio | Forum | Be a Pro | Earth360 | Easybiz | Live TV

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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.

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

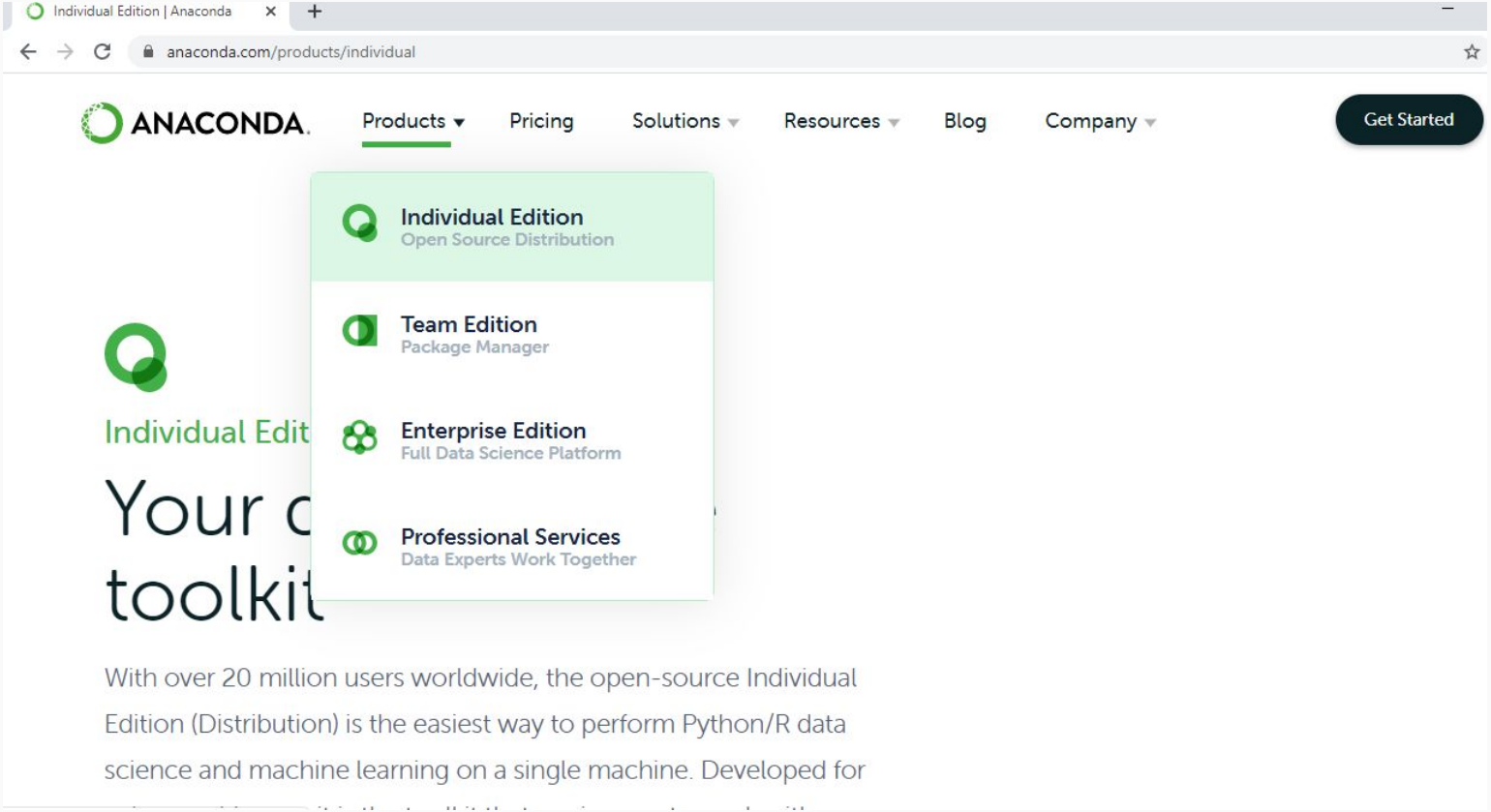
Softwares

Softwares

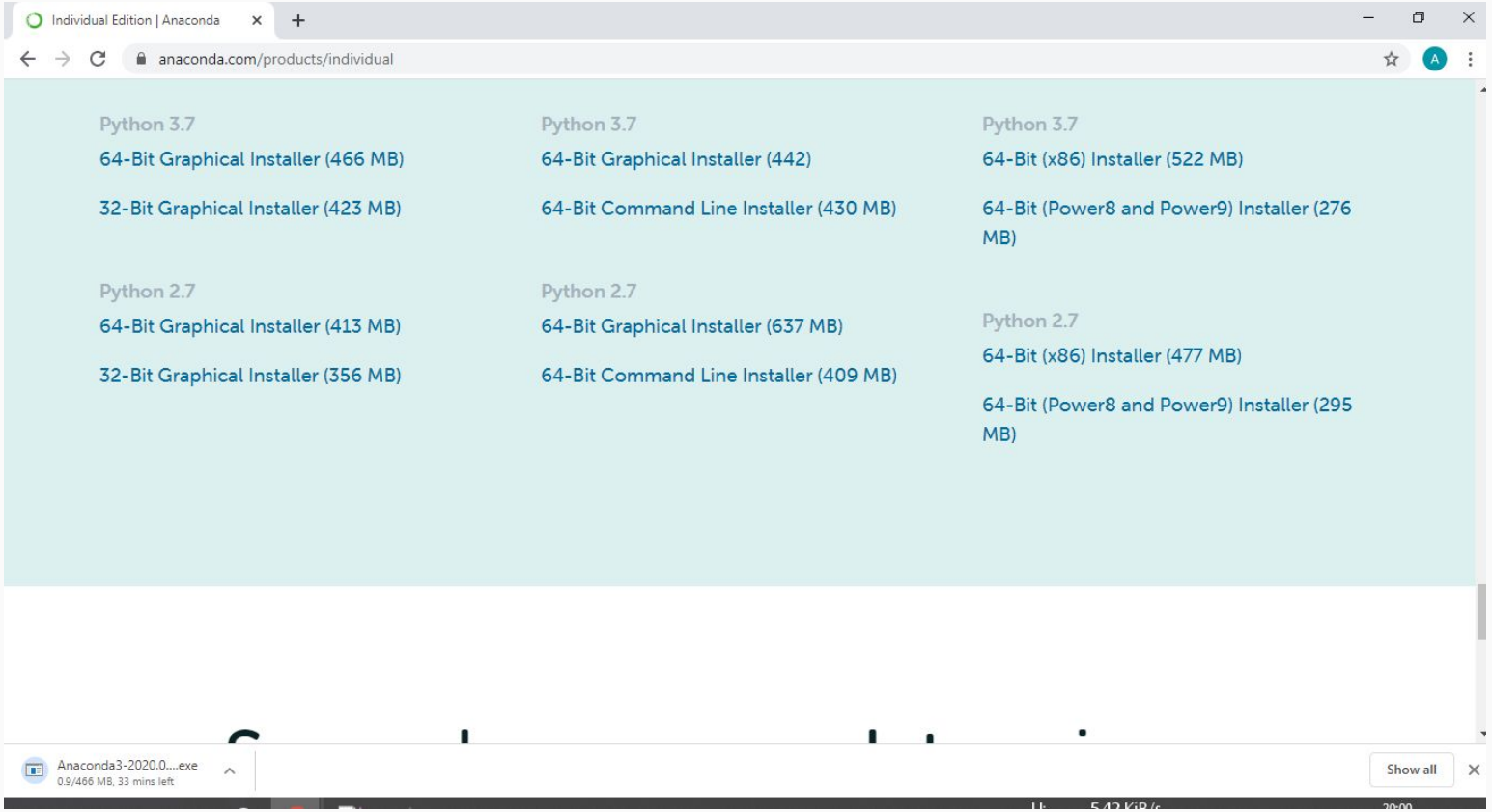
- Basic python IDLE
  - from https://www.python.org/downloads/
- Jupyter Notebook by Anaconda Distributions
  - From https://www.anaconda.com/products/individual
- Google Colab by Google cloud service
  - From https://colab.research.google.com/
- Different online editors
  - From https://repl.it/languages/python3

Anaconda Installation

Softwares


Individual Edition | Anaconda
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 Edit
Your
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

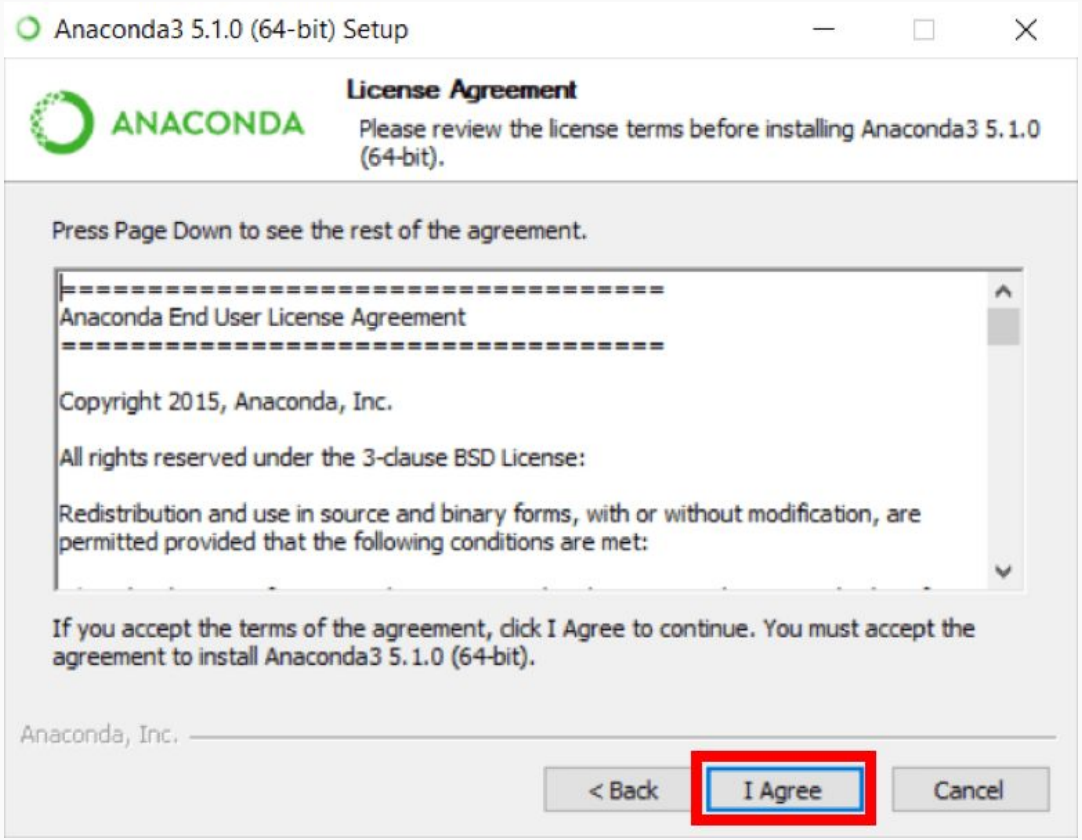
Softwares


Individual Edition | Anaconda
anaconda.com/products/individual
Python 3.7
64-Bit Graphical Installer (466 MB)
32-Bit Graphical Installer (423 MB)
Python 3.7
64-Bit Graphical Installer (442)
64-Bit Command Line Installer (430 MB)
Python 3.7
64-Bit (x86) Installer (522 MB)
64-Bit (Power8 and Power9) Installer (276 MB)
Python 2.7
64-Bit Graphical Installer (413 MB)
32-Bit Graphical Installer (356 MB)
Python 2.7
64-Bit Graphical Installer (637 MB)
64-Bit Command Line Installer (409 MB)
Python 2.7
64-Bit (x86) Installer (477 MB)
64-Bit (Power8 and Power9) Installer (295 MB)
Anaconda3-2020.0....exe
0.9/466 MB, 33 mins left
Show all

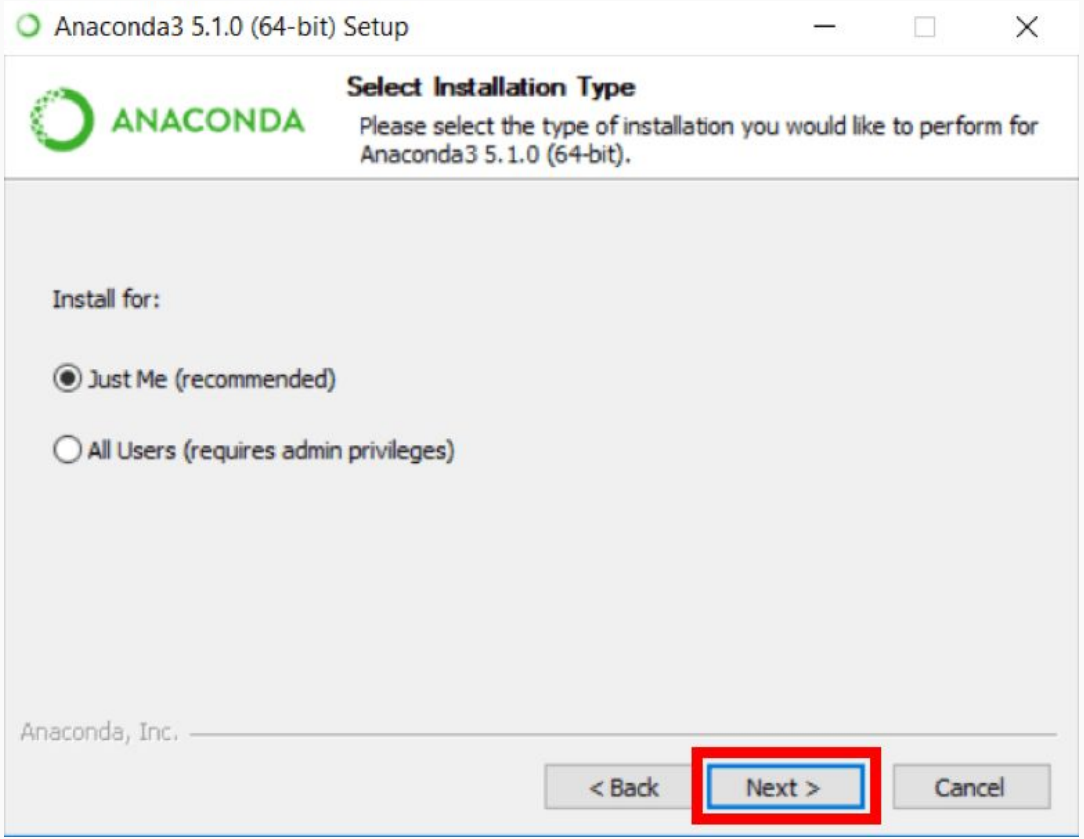
Softwares


Anaconda3 5.1.0 (64-bit) Setup
ANACONDA.
Welcome to Anaconda3 5.1.0 (64-bit) Setup
Setup will guide you through the installation of Anaconda3 5.1.0 (64-bit).
It is recommended that you close all other applications before starting Setup. This will make it possible to update relevant system files without having to reboot your computer.
Click Next to continue.
Next >
Cancel

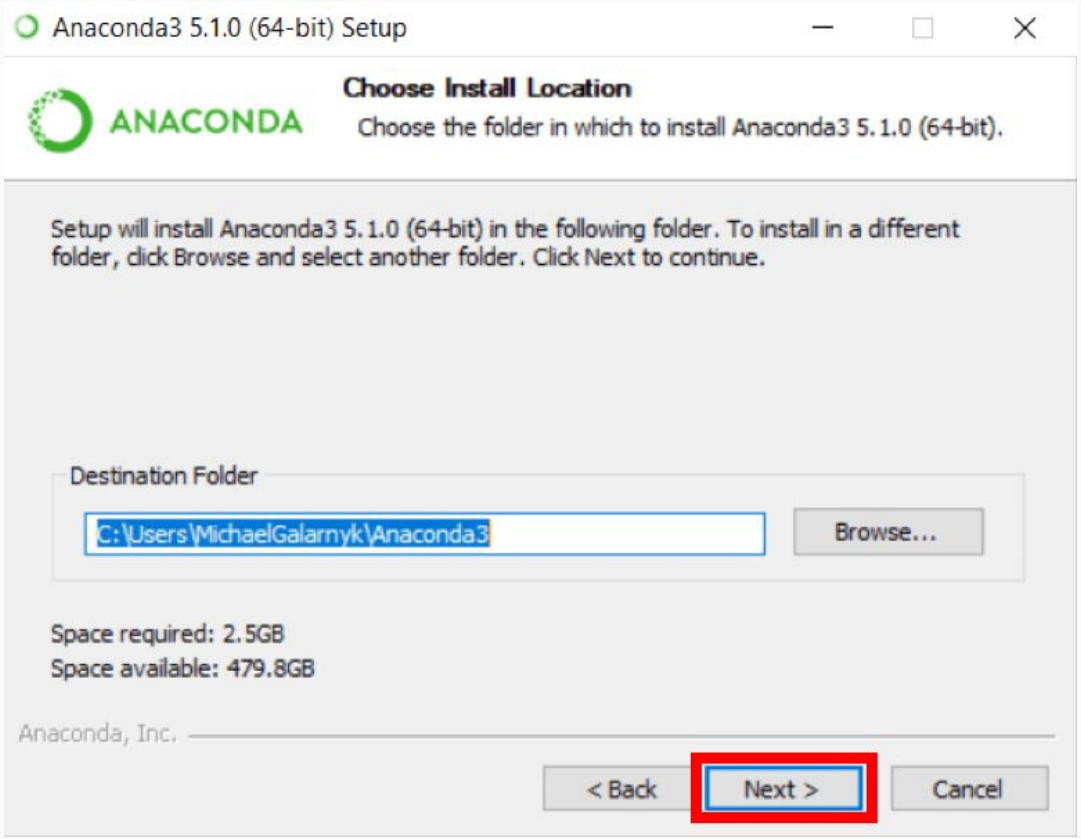
Softwares


Anaconda3 5.1.0 (64-bit) Setup
ANACONDA
License Agreement
Please review the license terms before installing Anaconda3 5.1.0 (64-bit).
Press Page Down to see the rest of the agreement.
==========
Anaconda End User License Agreement
==========
Copyright 2015, Anaconda, Inc.
All rights reserved under the 3-clause BSD License:
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
If you accept the terms of the agreement, click I Agree to continue. You must accept the agreement to install Anaconda3 5.1.0 (64-bit).
Anaconda, Inc.
< Back
I Agree
Cancel

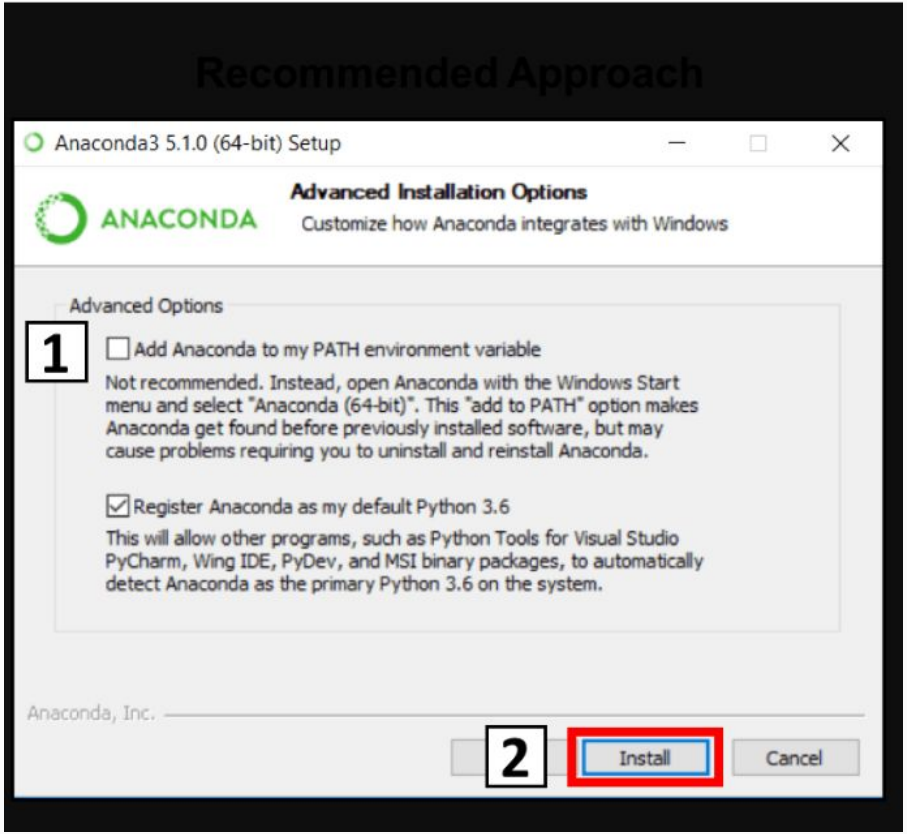
Softwares


Anaconda3 5.1.0 (64-bit) Setup
ANACONDA
Select Installation Type
Please select the type of installation you would like to perform for Anaconda3 5.1.0 (64-bit).
Install for:
Just Me (recommended)
All Users (requires admin privileges)
Anaconda, Inc.
< Back
Next >
Cancel

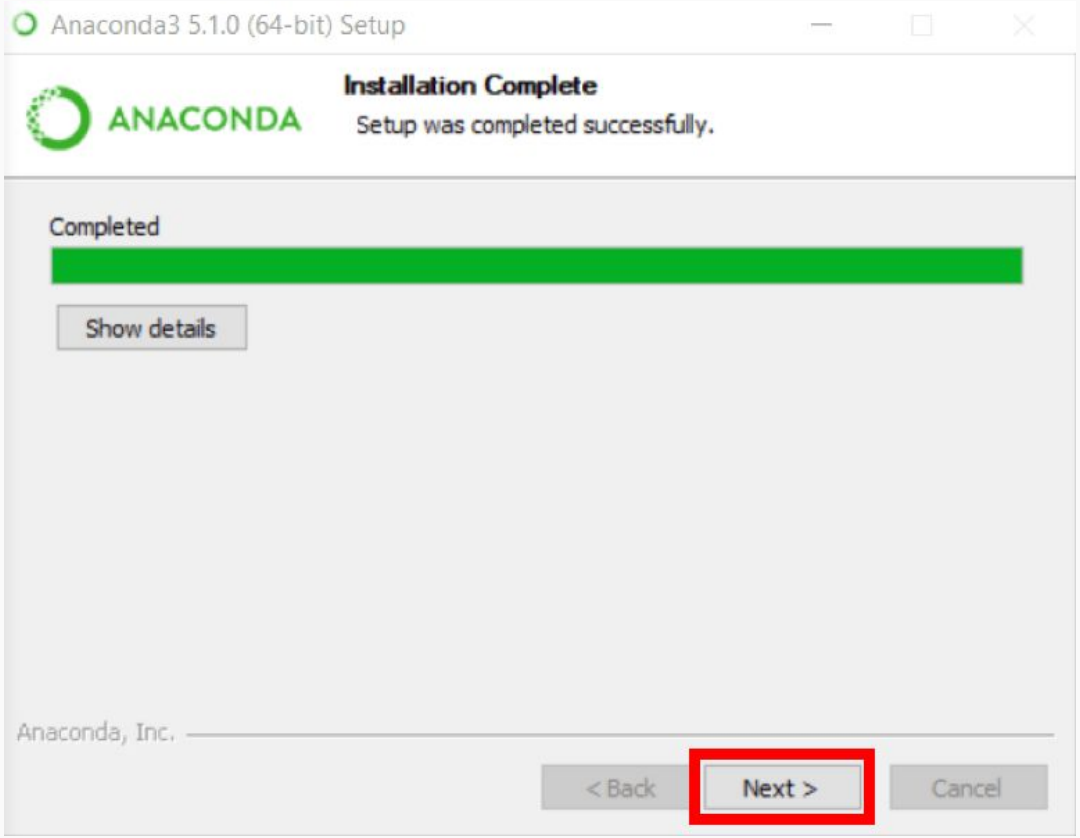
Softwares


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
C:\Users\MichaelGalarnyk\Anaconda3
Browse...
Space required: 2.5GB
Space available: 479.8GB
Anaconda, Inc.
< Back
Next >
Cancel

Softwares


Recommended Approach
Anaconda3 5.1.0 (64-bit) Setup
ANACONDA
Advanced Installation Options
Customize how Anaconda integrates with Windows
Advanced Options
1
Add Anaconda to my PATH environment variable
Not recommended. Instead, open Anaconda with the Windows Start menu and select "Anaconda (64-bit)". This "add to PATH" option makes Anaconda get found before previously installed software, but may cause problems requiring you to uninstall and reinstall Anaconda.
Register Anaconda as my default Python 3.6
This will allow other programs, such as Python Tools for Visual Studio PyCharm, Wing IDE, PyDev, and MSI binary packages, to automatically detect Anaconda as the primary Python 3.6 on the system.
Anaconda, Inc.
2
Install
Cancel

Softwares


Anaconda3 5.1.0 (64-bit) Setup
ANACONDA
Installation Complete
Setup was completed successfully.
Completed
Show details
Anaconda, Inc.
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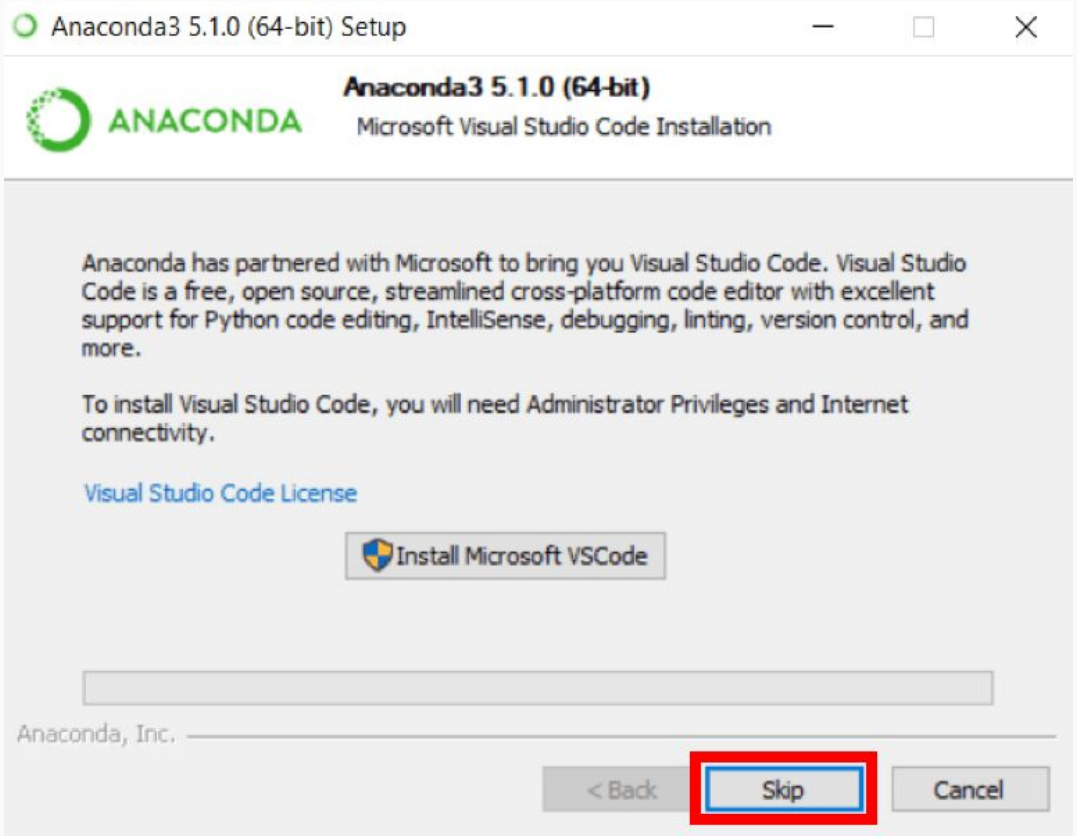
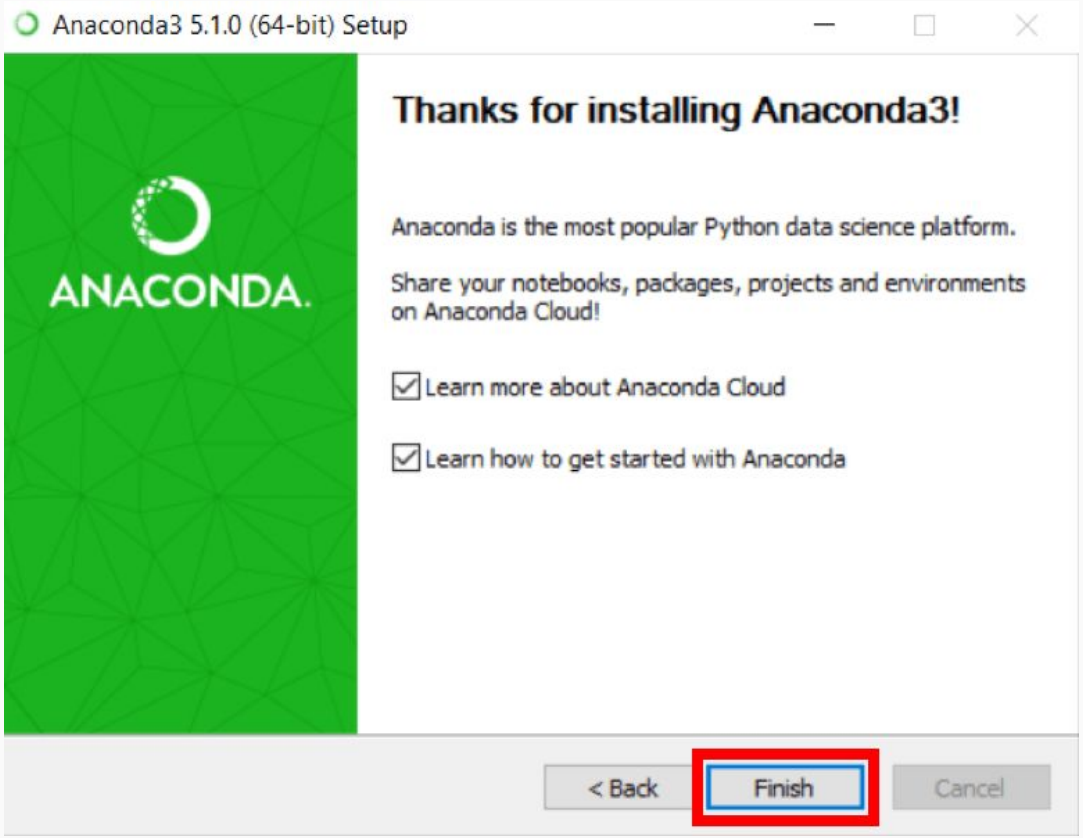
Next >
Cancel

Softwares

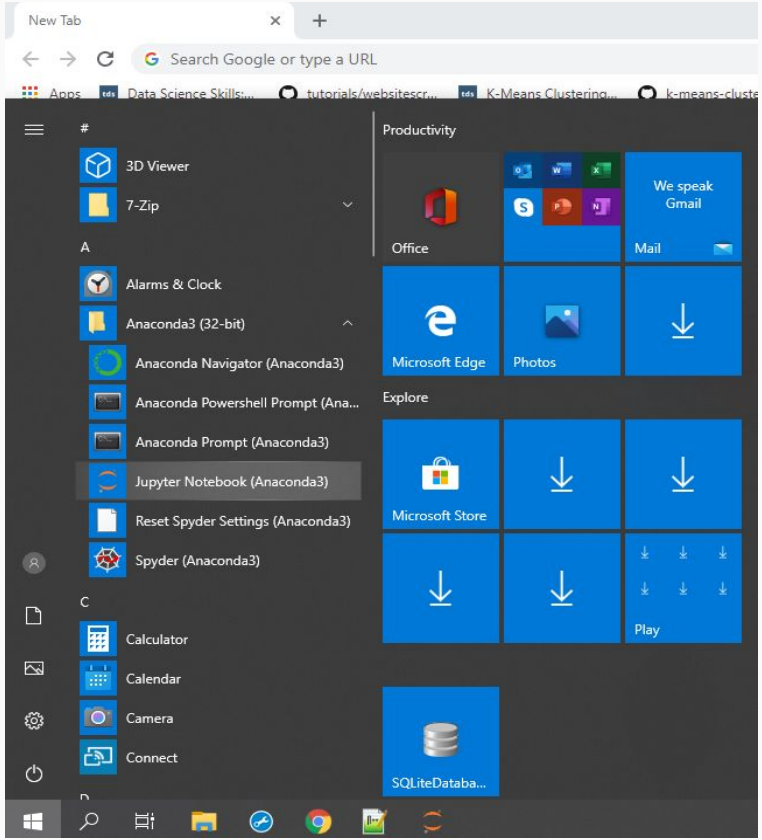

Anaconda3 5.1.0 (64-bit) Setup
ANACONDA
Anaconda3 5.1.0 (64-bit)
Microsoft Visual Studio Code Installation
Anaconda has partnered with Microsoft to bring you Visual Studio Code. Visual Studio Code is a free, open source, streamlined cross-platform code editor with excellent support for Python code editing, IntelliSense, debugging, linting, version control, and more.
To install Visual Studio Code, you will need Administrator Privileges and Internet connectivity.
Visual Studio Code License
Install Microsoft VSCode
Anaconda, Inc.
< Back
Skip
Cancel

Softwares


Anaconda3 5.1.0 (64-bit) Setup
ANACONDA.
Thanks for installing Anaconda3!
Anaconda is the most popular Python data science platform.
Share your notebooks, packages, projects and environments on Anaconda Cloud!
Learn more about Anaconda Cloud
Learn how to get started with Anaconda
< Back
Finish
Cancel

Let us start Jupyter Notebook

Launch Jupyter Notebook



It’s time to experience