

Personal Assistance For Seniors Who Are Self-Reliant

Pre Requisites

IBM Cloud Services

**Software**

Project Objectives

Create And Configure IBM Cloud Services

Develop A Web Application Using Node-RED Service

Develop A Python Script

Ideation Phase

Project Design Phase - I

Project Design Phase -II

## Software

Install the Python IDE.

Watch the reference video of python installation.



the required python libraries:

- Install Watson IoT Python SDK to connect to IBM Watson IoT Platform using python code:

```
# Python 3: Fibonacci series up to n
>>> def fib(n):
>>>     a, b = 0, 1
>>>     while a < n:
>>>         print(a, end=' ')
>>>         a, b = b, a+b
>>>     print()
>>> fib(1000)
0 1 1 2 3 5 8 13 21 34 55 89 144 233 377 610 987
```

>\_

## Functions Defined

The core of extensible programming is defining functions. Python allows mandatory and optional arguments, keyword arguments, and even arbitrary argument lists. [More about defining functions in Python 3](#)

1

2

3

4

5

Python is a programming language that lets you work quickly and integrate systems more effectively. [>>> Learn More](#)

### Get Started

Whether you're new to programming or an experienced developer, it's easy to learn and use Python.

### Download

Python source code and installers are available for download for all versions!

Latest: Python 3.7.4

### Docs

Documentation for Python's standard library, along with tutorials and guides, are available online.

[docs.python.org](https://docs.python.org)

### Jobs

Looking for work or have a Python related position that you're trying to hire for? Our **relaunch community-run job** place to go.



# How to install Python 3.7.4 on Windows 10

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- 1
- 2
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1 2 3 4 5

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## Files

Version	Operating System	Description	MD5 Sum	File Size	GPG
<a href="#">Gzipped source tarball</a>	Source release		68111671e5b2db4aef7b9ab01bf0f9be	23017663	<a href="#">SIG</a>
<a href="#">XZ compressed source tarball</a>	Source release		d33e4aae66097051c2eca45ee3604803	17131432	<a href="#">SIG</a>
<a href="#">macOS 64-bit/32-bit installer</a>	Mac OS X	for Mac OS X 10.6 and later	6428b4fa7583daff1a442cba8cee08e6	34898416	<a href="#">SIG</a>
<a href="#">macOS 64-bit installer</a>	Mac OS X	for OS X 10.9 and later	5dd605c38217a45773bf5e4a936b241f	28082845	<a href="#">SIG</a>
<a href="#">Windows help file</a>	Windows		d63999573a2c06b2ac56cade6b4f7cd2	8131761	<a href="#">SIG</a>
<a href="#">Windows x86-64 embeddable zip file</a>	Windows	for AMD64/EM64T/x64	9b00c8cf6d9ec0b9abe83184a40729a2	7504391	<a href="#">SIG</a>
<a href="#">Windows x86-64 executable installer</a>	Windows	for AMD64/EM64T/x64	a702b4b0ad76debdb3043a583e563400	26680368	<a href="#">SIG</a>
<a href="#">Windows x86-64 web-based installer</a>	Windows	for AMD64/EM64T/x64	28cb1c608bbd73ae8e53a3bd351b4bd2	1362904	<a href="#">SIG</a>
<a href="#">Windows x86 embeddable zip file</a>	Windows		9fab3b81f8841879fda94133574139d8	6741626	<a href="#">SIG</a>
<a href="#">Windows x86 executable installer</a>	Windows		33cc602942a54446a3d6451476394789	25663848	<a href="#">SIG</a>
<a href="#">Windows x86 web-based installer</a>	Windows		1b670cfa5d317df82c30983ea371d87c	1324608	<a href="#">SIG</a>

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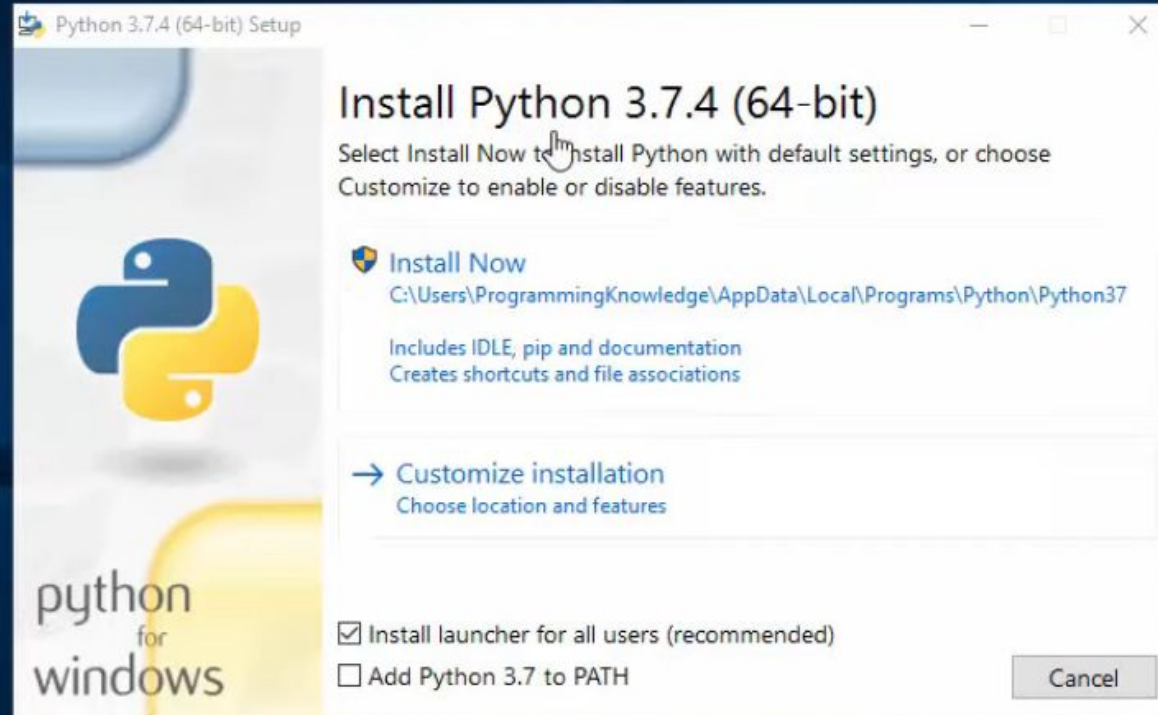
Recycle Bin



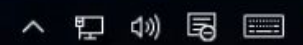
Google  
Chrome



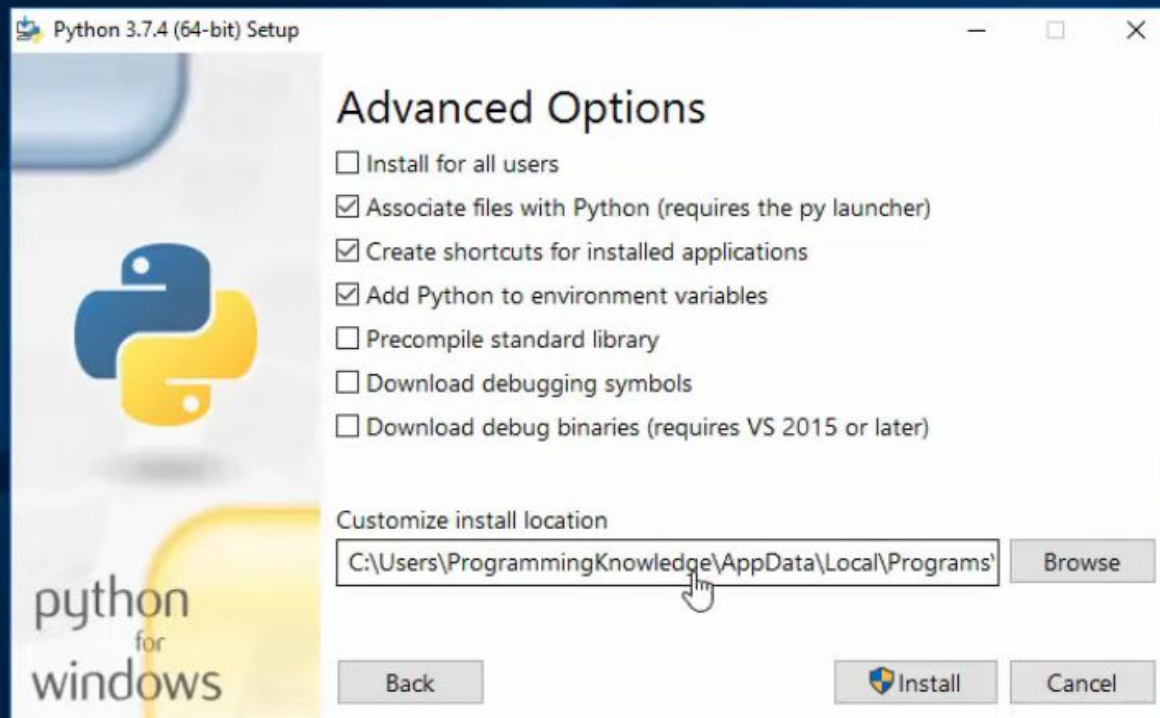
netbeans64 -  
Shortcut



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Recycle Bin



Google  
Chrome



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```
cmd Select Command Prompt
Microsoft Windows [Version 10.0.10586]
(c) 2016 Microsoft Corporation. All rights reserved.

C:\Users\ProgrammingKnowledge>python
Python 3.7.4 (tags/v3.7.4:e09359112e, Jul 8 2019, 20:34:20) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> print("Hello World")
Hello World
>>> quit
Use quit() or Ctrl-Z plus Return to exit
>>> quit()

C:\Users\ProgrammingKnowledge>pip --version
pip 19.0.3 from c:\python\python37\lib\site-packages\pip (python 3.7)

C:\Users\ProgrammingKnowledge>
```

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