

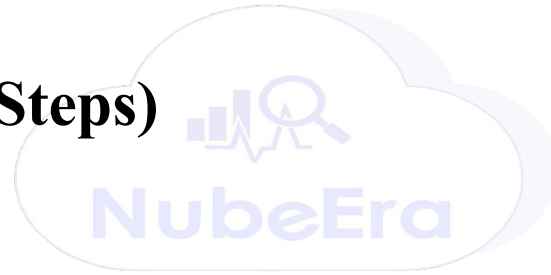
Introductions



Session Objectives



- **What is Python**
- **Why Python**
- **Who uses Python**
- **How to Run Python(Steps)**
 - **Windows(7/10)**
- **Summary**



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• What is Python:

- Python is a **general purpose and high level programming language**.
- It has simplified syntax and not complicated, due to this it's ease of learning and usage,
- It was created by “Guido van Rossum” and released in 1991.
- It is used for
 - Web development(websites and web applications)
 - Software development
 - Mathematics
 - Mobile application
 - desktop GUI applications
 - Machine learning and AI
- It can connect to Database system and handle Bigdata and perform complex operations.

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● Why Python

- Python can work on **different platform**(windows,MAC,Linux,Pi,Raspberry etc)
- **Simple syntax** similar to english language.
- It has syntax that allows developers to write program with **fewer lines** than other programming language.
- It runs on **interpreter system**, meaning that code can be executed as soon as it is written.This means **prototyping can be very quick**.
- It can be treated in **procedural way, an object oriented way or a functional way**.
- Hundreds of Python Libraries and Frameworks



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- **Versatility, Efficiency, Reliability, and Speed**
- **Big data, Machine Learning and Cloud Computing**
- Use of python in **academics(colleges)**
- Python language can help a lot in **automation of tasks** as there are lots of tools and modules available, which makes things much more comfortable.

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● Who uses Python

- Search engine→ Google,Yahoo,firefox
- Audio/Video processing→ Youtube,Netflix,spotify
- Computer System --> Intel,IBM
- Distributed computing→ Bit torrent
- Cloud computing→ Dropbox
- Designing Game→ Blender(how to train your dragon)
- Security system→ NASA,NAS,FBI
- Disney,Facebook,Instagram,Uber,amazon



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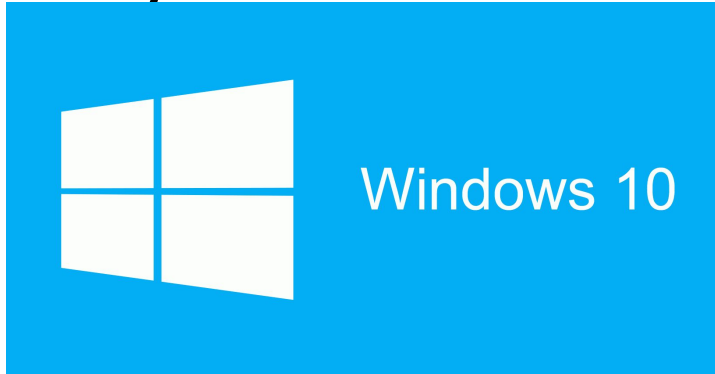
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Install Python(Prerequisites)

- **Operating System:** Windows 64/32 bit
- Python Installation with Wizard



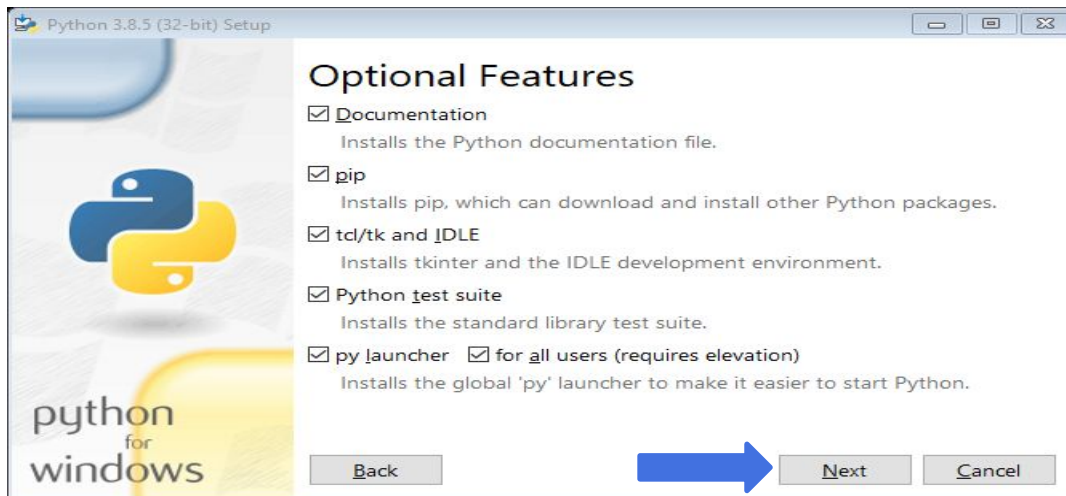


Python Install



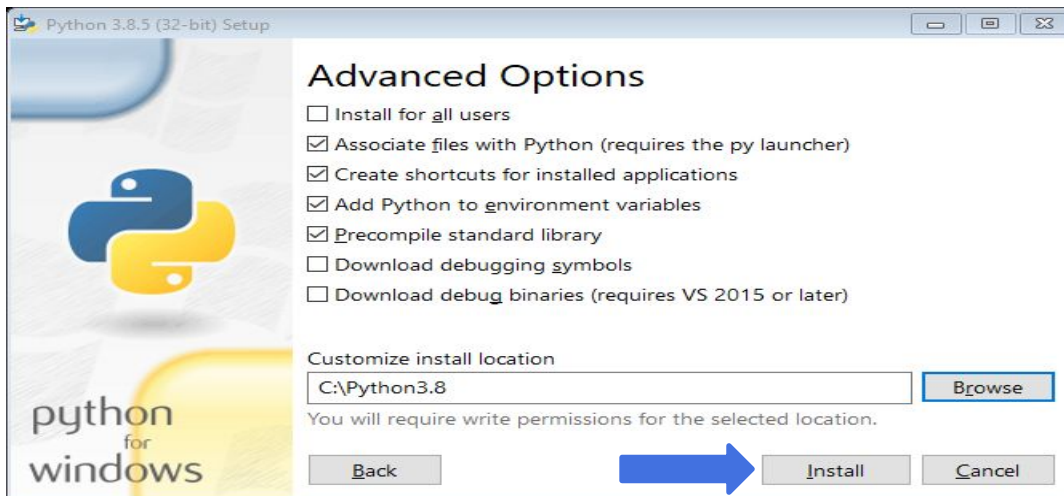


Python Install



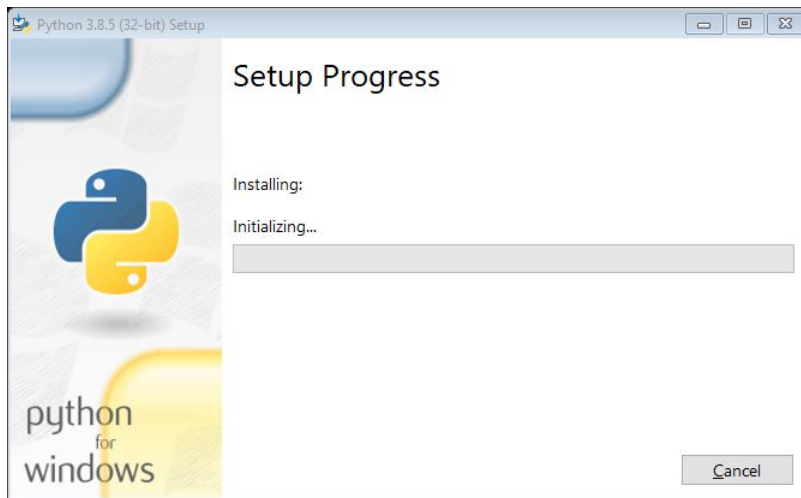


Python Install



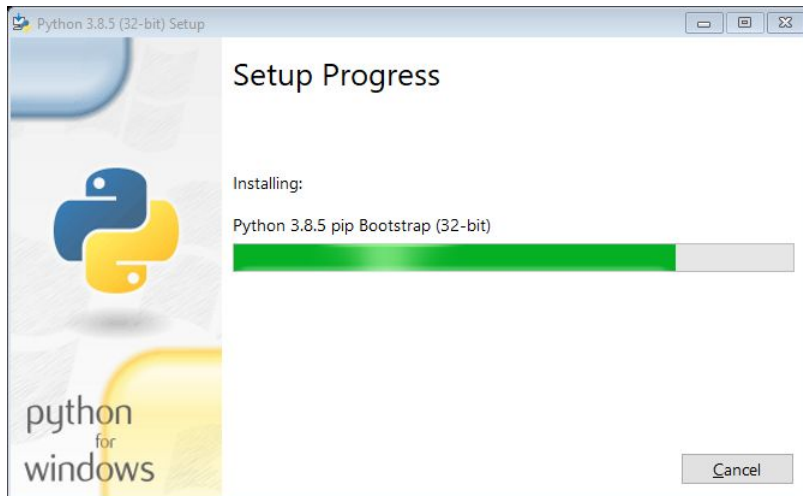


Python Install



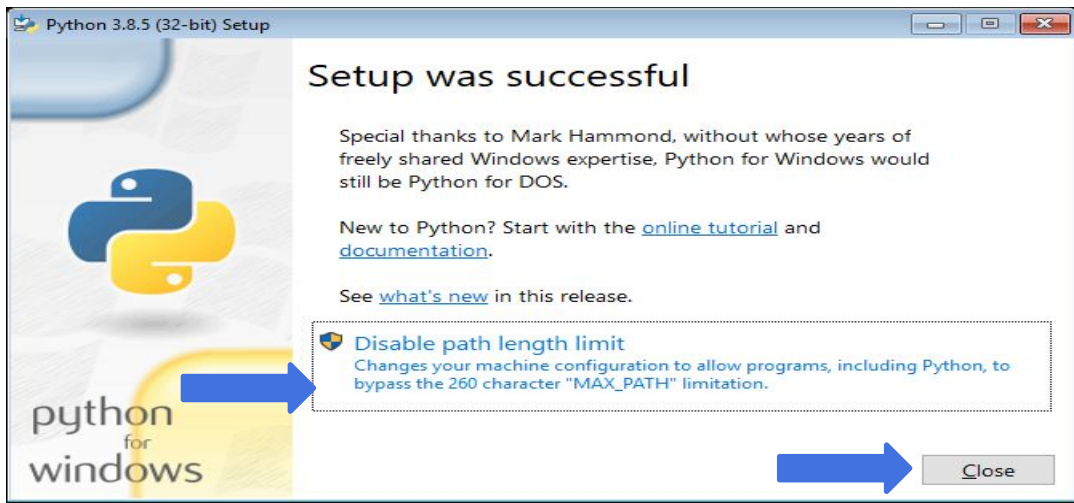


Python Install



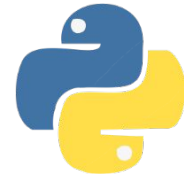


Python Install





Python Install



```
Microsoft Windows [Version 6.1.7601]
```

```
Copyright (c) 2009 Microsoft Corporation. All rights reserved.
```

```
E:\amruta_new\python_pgm>python
```

```
Python 3.8.5 (tags/v3.8.5:580fbb0, Jul 20 2020, 15:43:08) [MSC v.1926 32 bit (Intel)] on win32
```

```
Type "help", "copyright", "credits" or "license" for more information.
```

```
>>> print("hello world")
```

```
hello world
```

```
>>>exit()
```

Summary



- **What is Python**
- **Why Python**
- **Who uses Python**
- **How to Run Python(Steps)**
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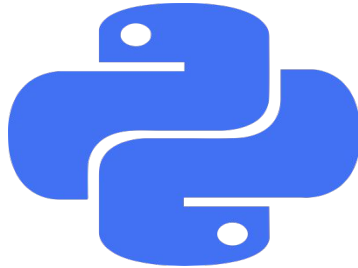


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???

The Important thing is not to
stop

Questioning



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