



Installing Python

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```
# Python 3: List comprehensions
>>> fruits = ['Banana', 'Apple', 'Lime']
>>> loud_fruits = [fruit.upper() for fruit in fruits]
>>> print(loud_fruits)
['BANANA', 'APPLE', 'LIME']

# List and the enumerate function
>>> list(enumerate(fruits))
[(0, 'Banana'), (1, 'Apple'), (2, 'Lime')]
```

Compound Data Types

Lists (known as arrays in other languages) are one of the compound data types that Python understands. Lists can be indexed, sliced and manipulated with other built-in functions. [More about lists in Python 3](#)

1 2 3 4 5

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The screenshot shows the Python.org website in a web browser. The 'Downloads' tab is selected in the navigation bar. A dropdown menu is open, showing various download options. The 'Download for Windows' button is highlighted with a red box. Below this button, a note states: 'Note that Python 3.5+ cannot be used on Windows 7 or earlier. Not the OS you are looking for? Python can be used on many operating systems and environments. View the full list of downloads.'

Python 3.10.6

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Python Releases for Windows

- [Latest Python 3 Release - Python 3.10.6](#)
- [Latest Python 2 Release - Python 2.7.18](#)

Stable Releases

- [Python 3.10.6 - Aug. 2, 2022](#)
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Pre-releases

- [Python 3.11.0rc1 - Aug. 8, 2022](#)
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- [Python 3.11.0b5 - July 26, 2022](#)



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...create them. If quarks have a baryon number of $(+1/3)$, and antiquarks of $(-1/3)$, the pentaquark would have a total baryon number of 1 and thus would be a baryon. Further, because it has five quarks instead of the usual three found in regular baryons (a.k.a. 'triquarks'), it is classified as an exotic baryon. The name pentaquark was coined by Claude Gignoux et al. (1987) and Harry J. Lipkin in 1987; however, the possibility of five-quark particles was identified as early as 1964 when Murray Gell-Mann first postulated the existence of quarks. Although predicted for decades, pentaquarks proved surprisingly tricky to discover and some physicists were beginning to suspect that an unknown law of nature prevented their production.

[Full Changelog](#)

Files

Version	Operating System	Description	MD5 Sum	File Size	GPG
Gzipped source tarball	Source release		d76638ca8bf57e44ef0841d2cde557a0	25986768	SIG
XZ compressed source tarball	Source release		afc7e14f7118d10d1ba95ae8e2134bf0	19600672	SIG
macOS 64-bit universal2 installer	macOS	for macOS 10.9 and later	2ce68dc6cb870ed3beea8a20b0de71fc	40826114	SIG
Windows embeddable package (32-bit)	Windows		a62cca7ea561a037e54b4c0d120c2b0a	7608928	SIG
Windows embeddable package (64-bit)	Windows		37303f03e19563fa87722d9df11d0fa0	8585728	SIG
Windows help file	Windows		0aee63c8fb87dc71bf2bcc1f62231389	9329034	SIG
Windows installer (32-bit)	Windows		c4aa2cd7d62304c804e45a51696f2a88	27750096	SIG
Windows installer (64-bit)	Windows	Recommended	8f46453e68ef38e5544a76d84df3994c	28916488	SIG

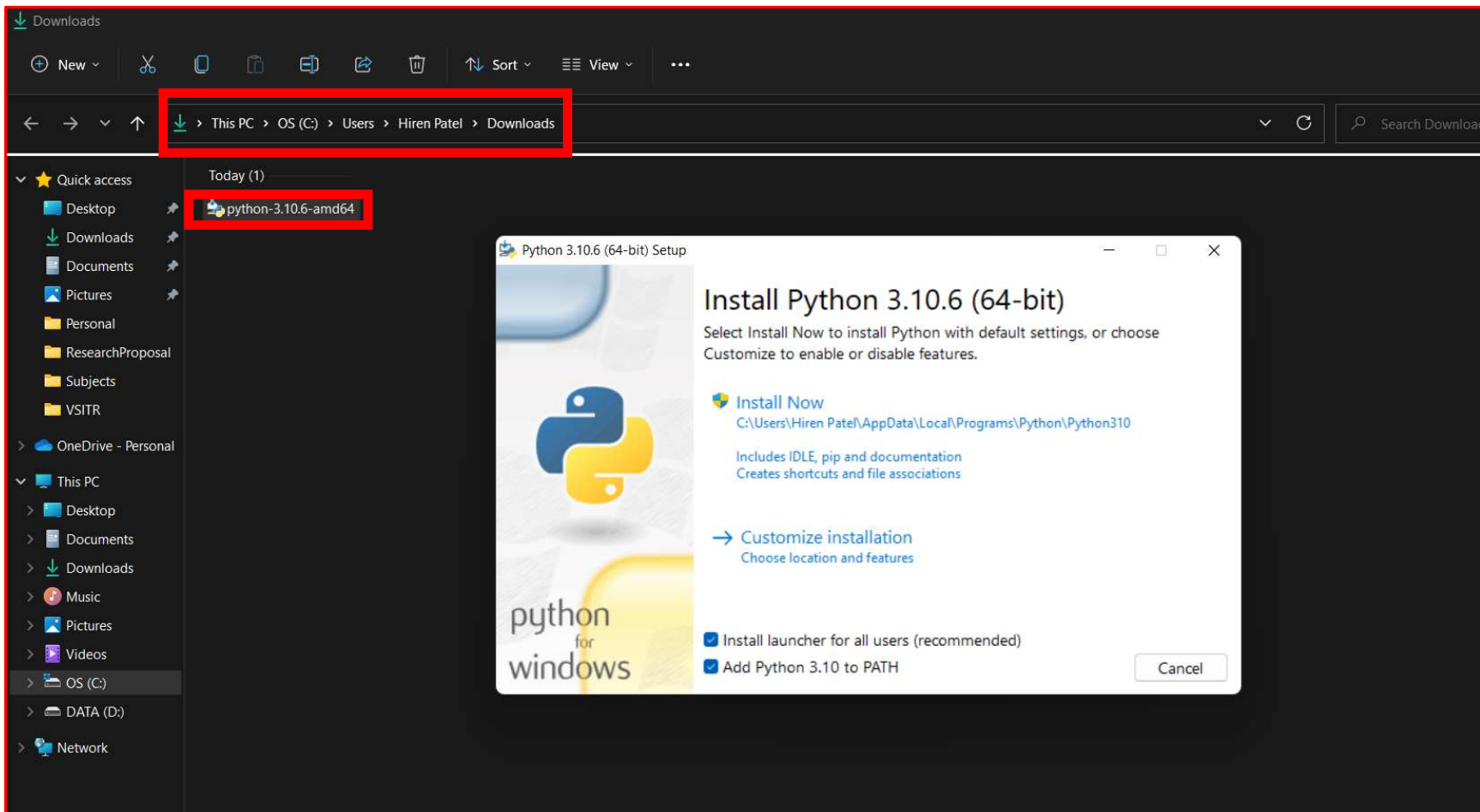
python-3.10.6-am....exe python-3.10.6-emb....zip Show all



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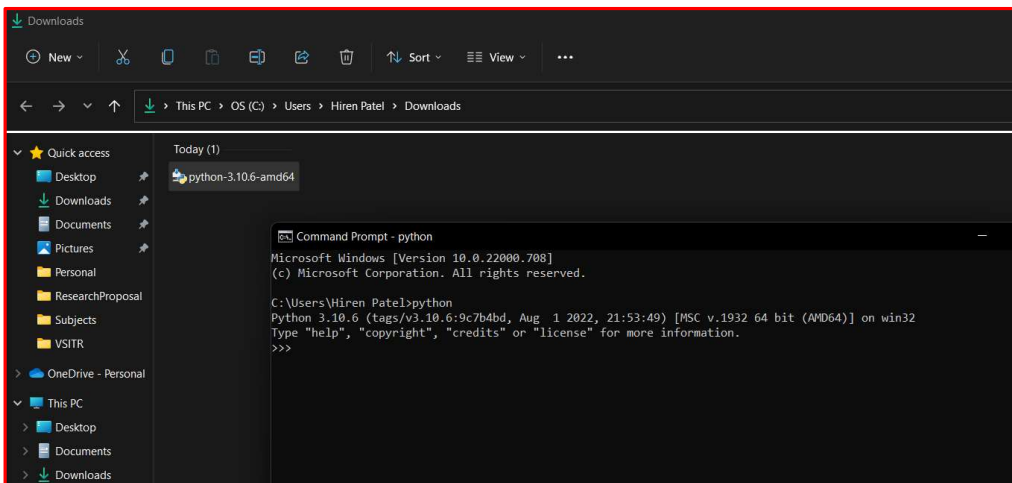
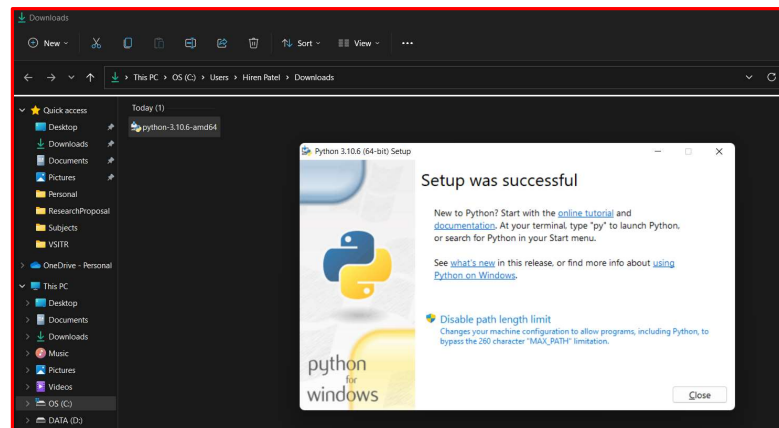
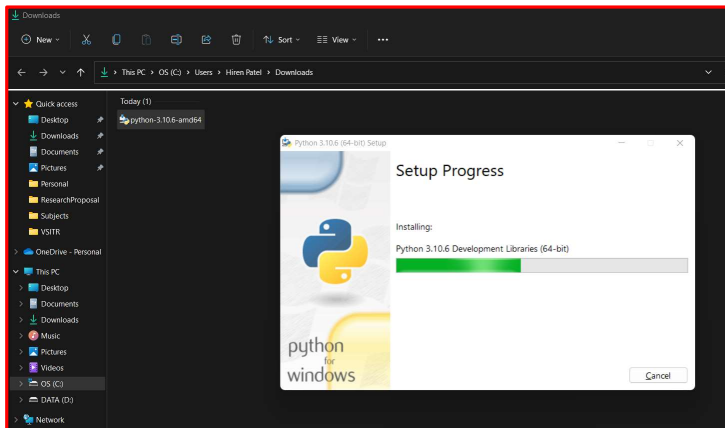
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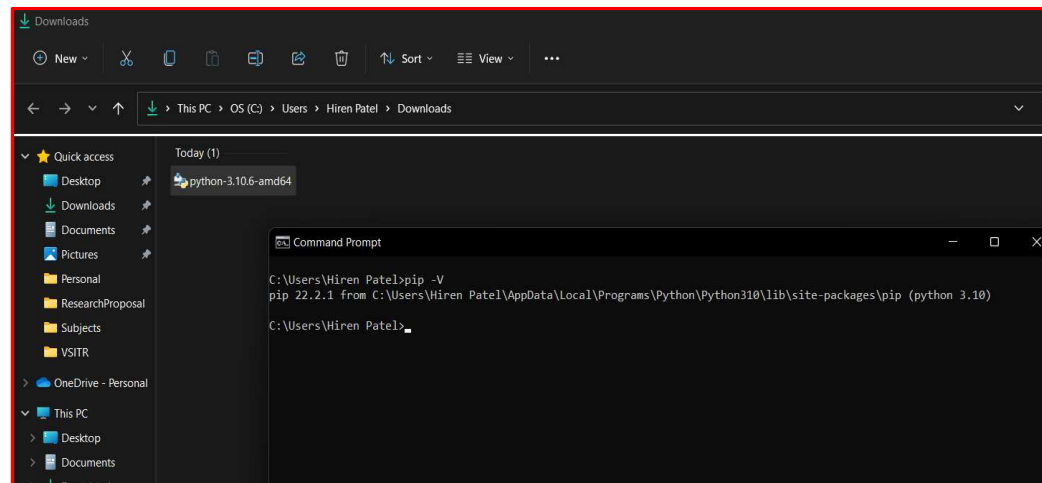


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