

A Python 3.7 to 3.10 Feature Summary

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We just finished upgrading our main codebase from Python 3.7 to Python 3.10. Here's an internal talk I gave to summarize the cool new features available this jump including new standard lib packages, better typing tools, new syntax, and more!

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Useful links

- [What's New In Python 3.8](#)
- [What's New In Python 3.9](#)
- [What's New In Python 3.10](#)
- A great talk on timezones and the new utilities [Talks by Paul Ganssle: Working with Time Zones: Everything You Wish You Didn't Need to Know](#)

4. Union Operator on Dictionaries

Easily merge dictionaries!

```
>>> x = {"key1": "value1 from x", "key2": "value2 from x"}
>>> y = {"key2": "value2 from y", "key3": "value3 from y"}
>>> x | y
{'key1': 'value1 from x', 'key2': 'value2 from y', 'key3': 'value3 from y'}
>>> y | x
{'key2': 'value2 from x', 'key3': 'value3 from y', 'key1': 'value1 from x'}
```

New in 3.9

A slide from my talk. Easily merge dictionaries!