

Lists

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Reminders



Reminders



Lists

Poll Question: Tracing

What is the value of `x`.

```
1 x = [v*v for v in ['1', '2', '3']]
```

- ☐ A ['11', '22', '33']
- ☐ B ['1', '2', '3']
- ☐ C [1, 4, 9]
- ☐ D TypeError

List Comprehensions

```
1 # Basic list comprehension
2 [expression for value in sequence]
3
4 # Conditional list comprehension with if
5 [expresssion for value in sequence if condition]
6
7 #Conditional list comprehension with if-else
8 [expresssion if condition else <default> for value in
   sequence]
```

- Doesn't enable any new functionality
- *Syntactic Sugar*: Makes code more efficient to write

Poll Question: List Comprehension

What is the value of y.

```
1 y = [c for c in 'alma mater' if c in 'aeiou']
```

- ☐ A 'alma mater'
- ☐ B ['alma mater']
- ☐ C 'aaae'
- ☐ D ['a', 'a', 'a', 'e']