

## Errores, Listas y Funciones

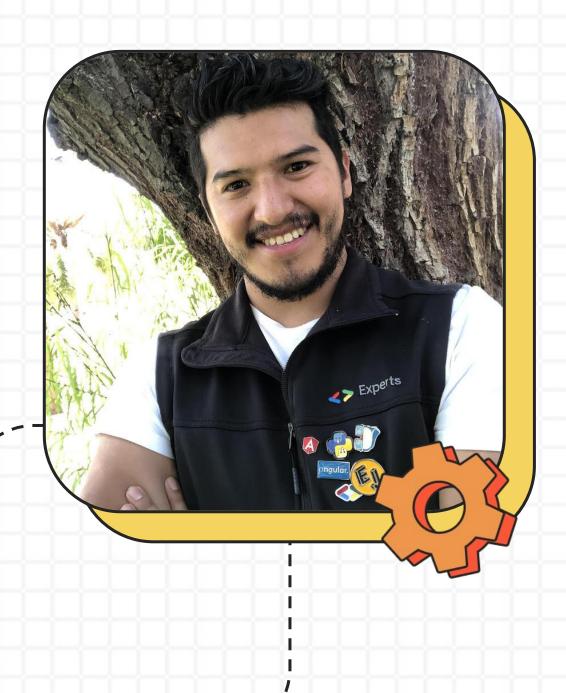
by @nicobytes



## Nicolas Molina

@nicobytes

- Colombian living in Bolivia
- Senior Software Developer with +8 Years

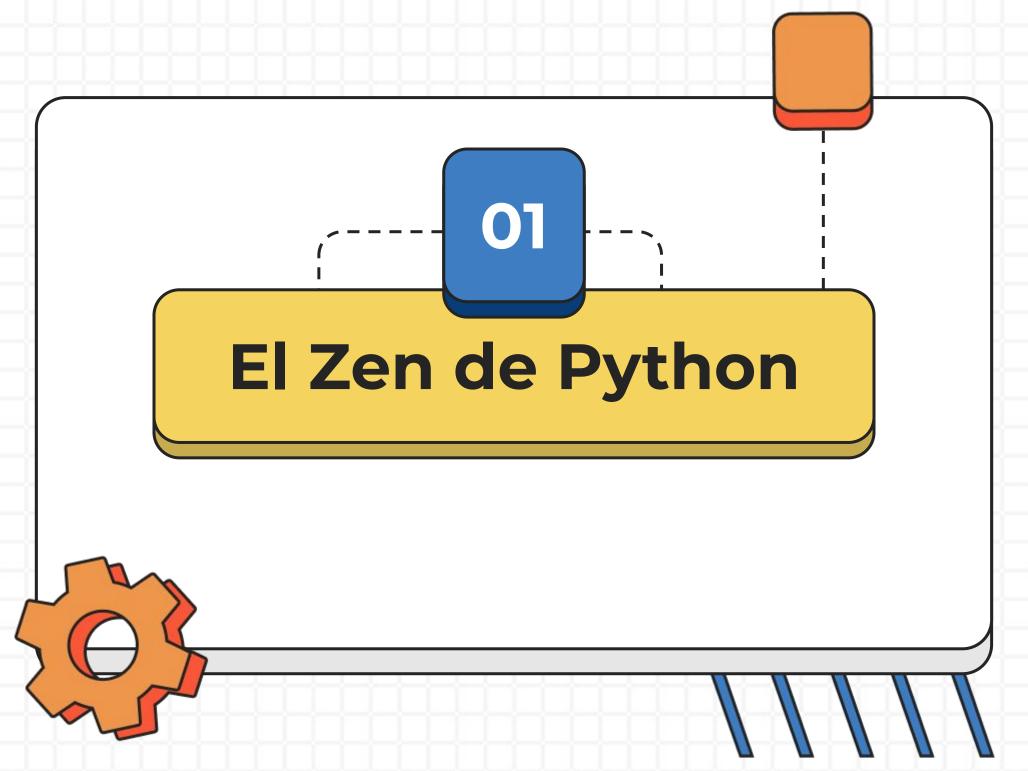


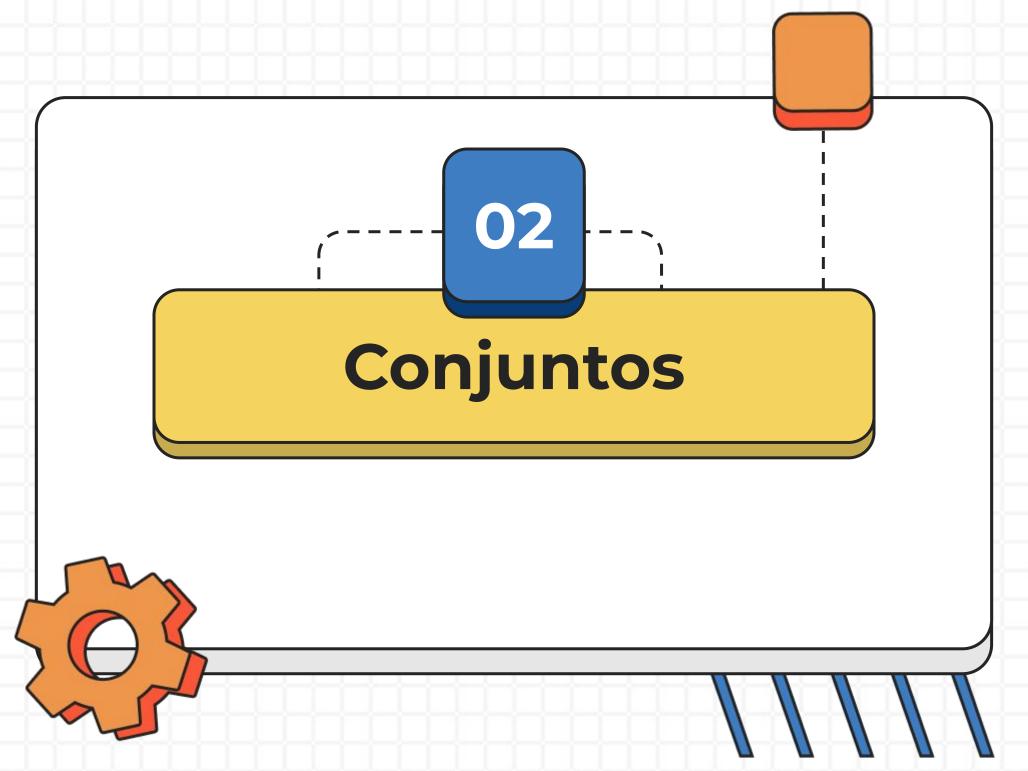


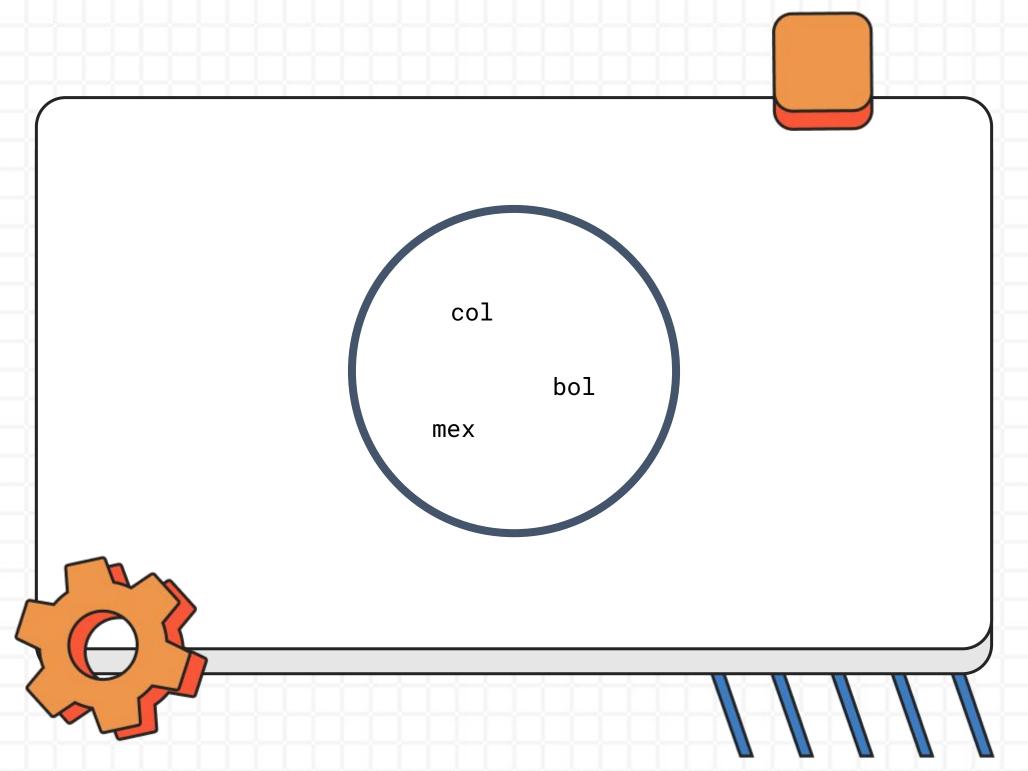




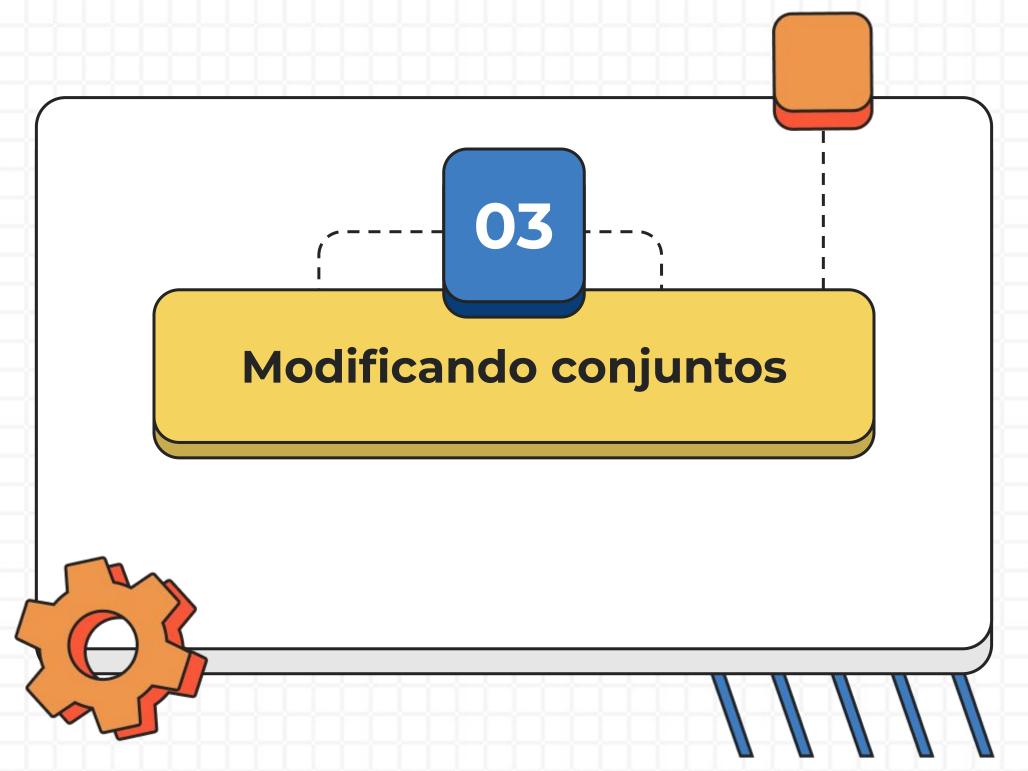




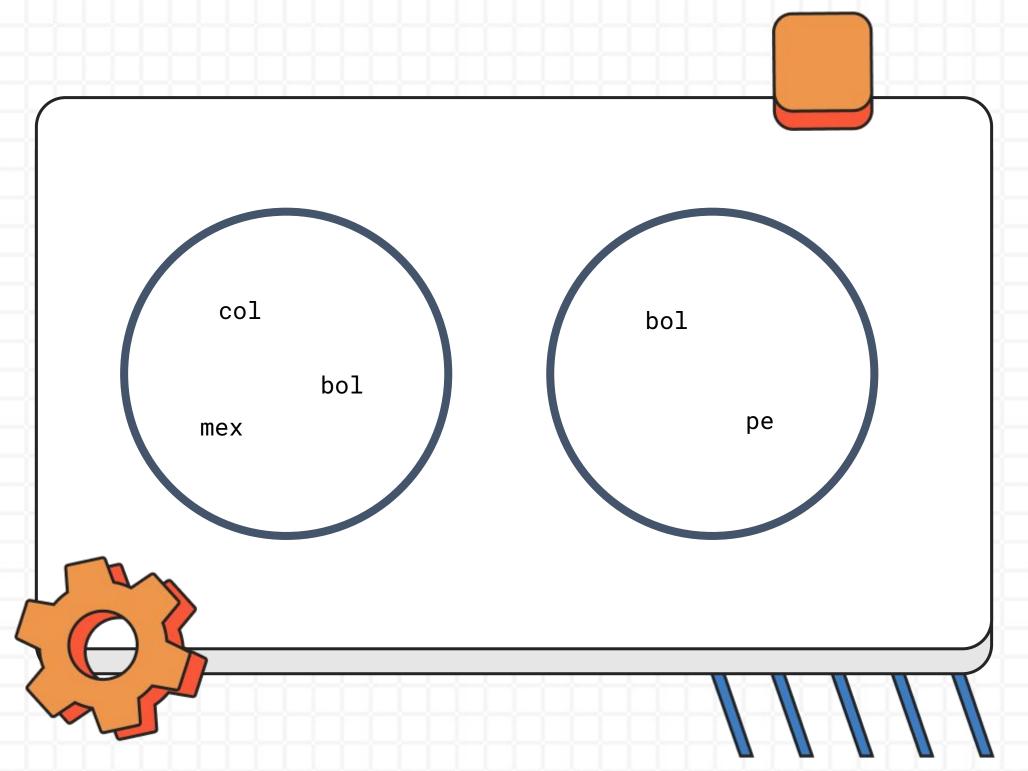


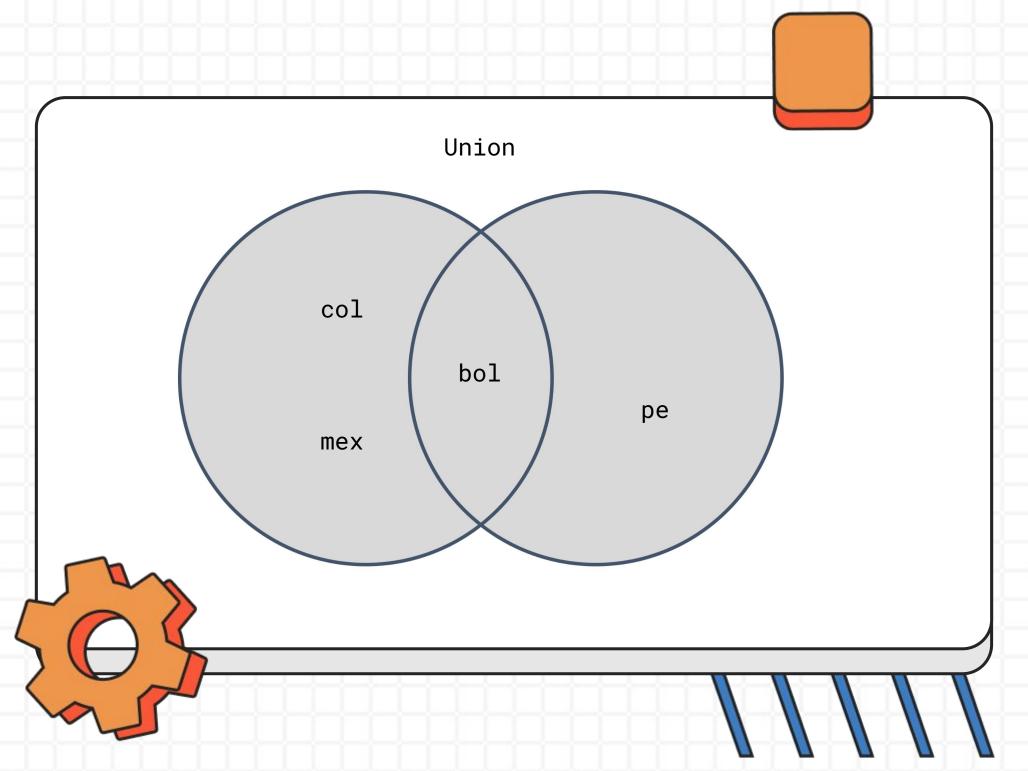


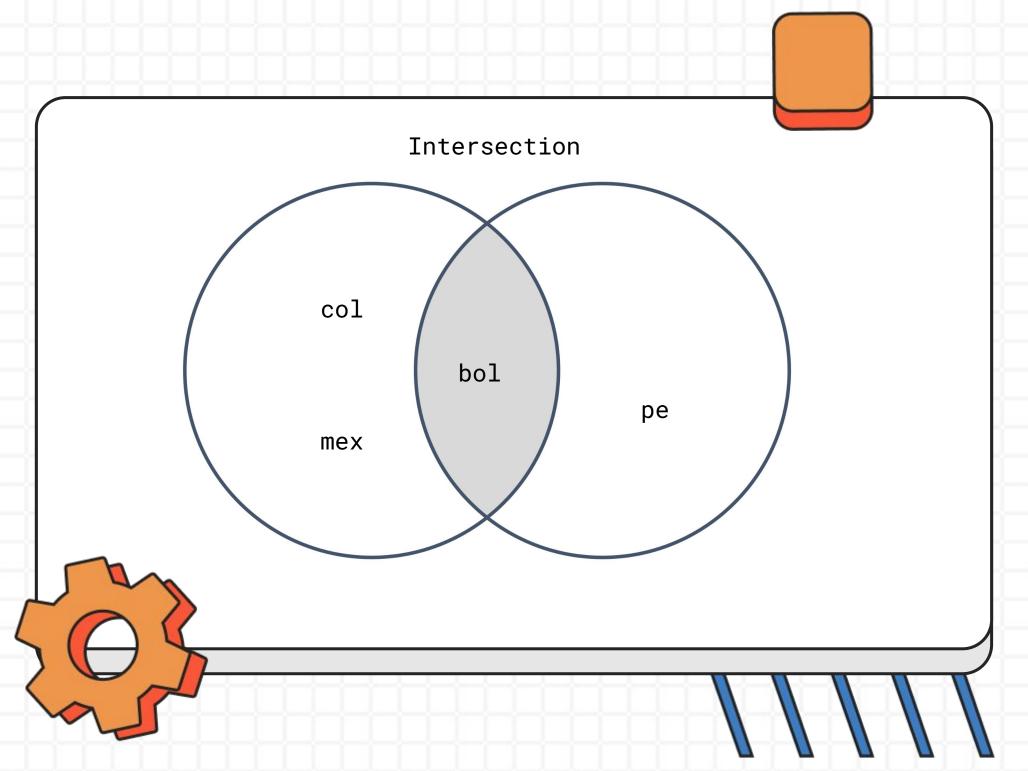
- Se pueden modificar.
- No tienen un orden.
- No permite duplicados.

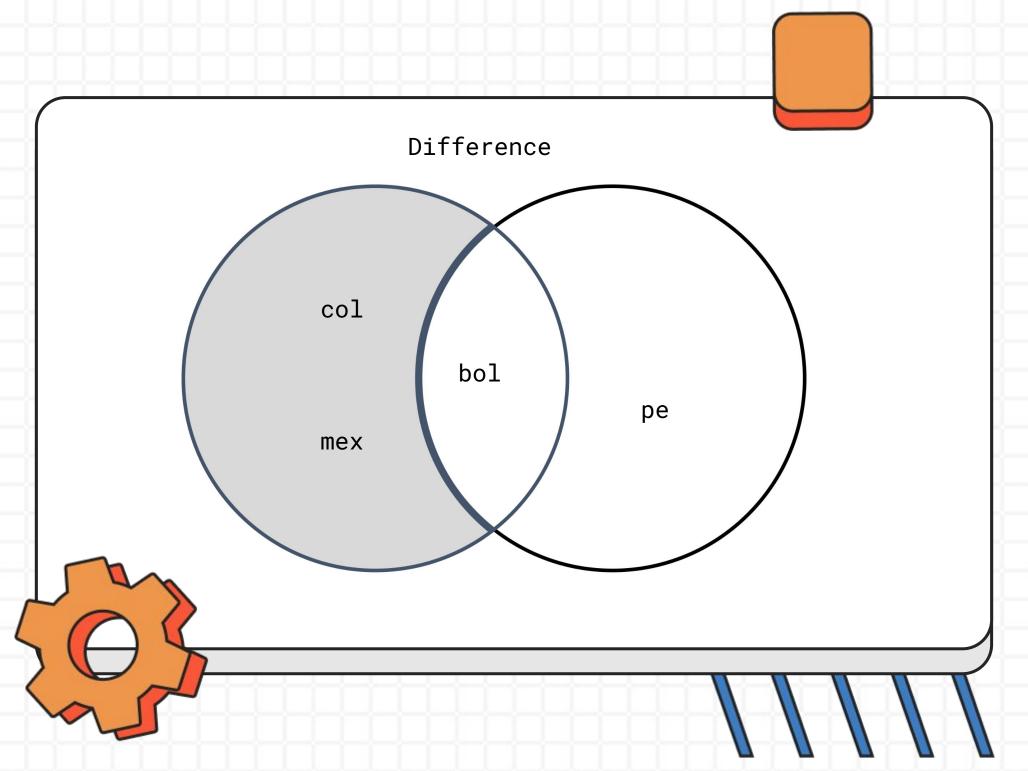


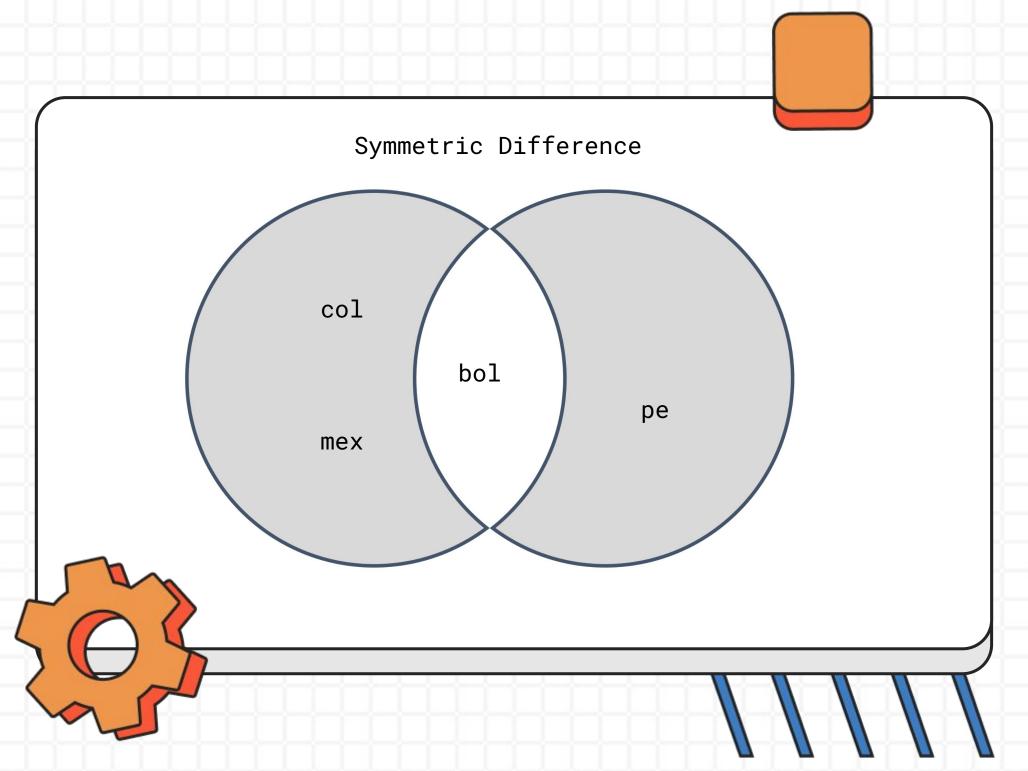


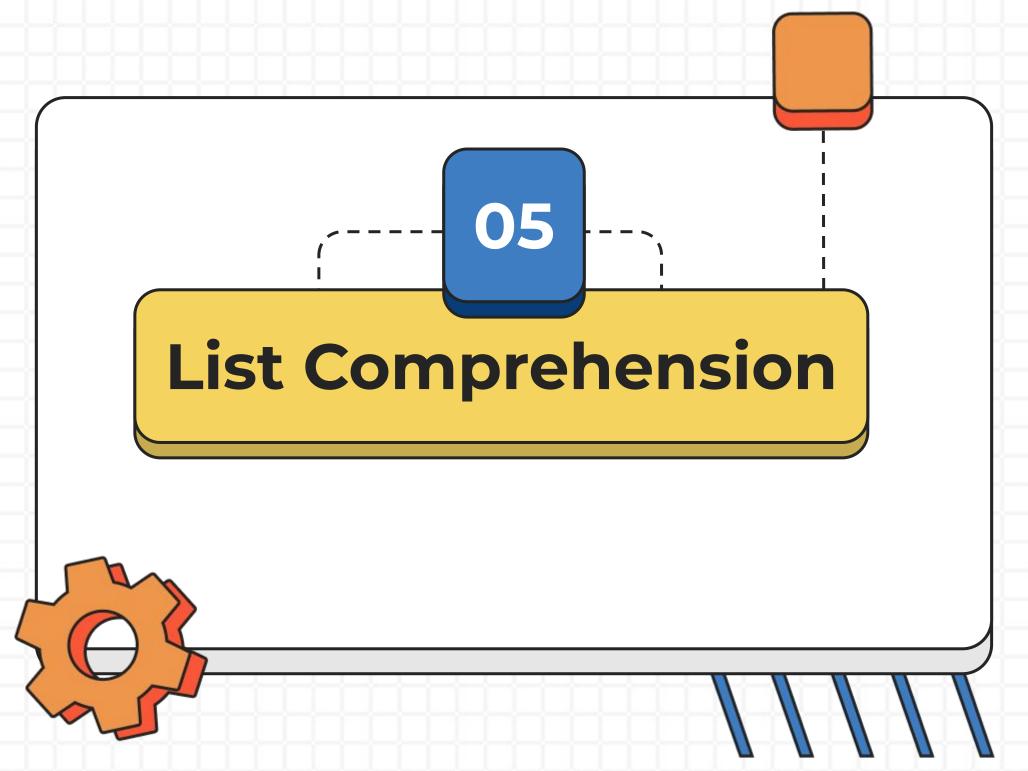






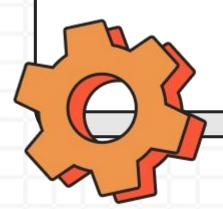






[element for element in iterable]

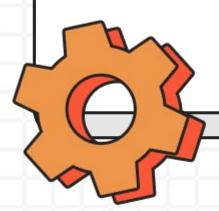
Elemento Ciclo donde se extraen elementos de cualquier iterable



[element for element in iterable if condition]

Elemento Ciclo donde se extraen elementos de cualquier iterable

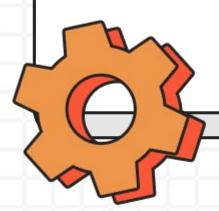
Condición opcional para filtrar elementos

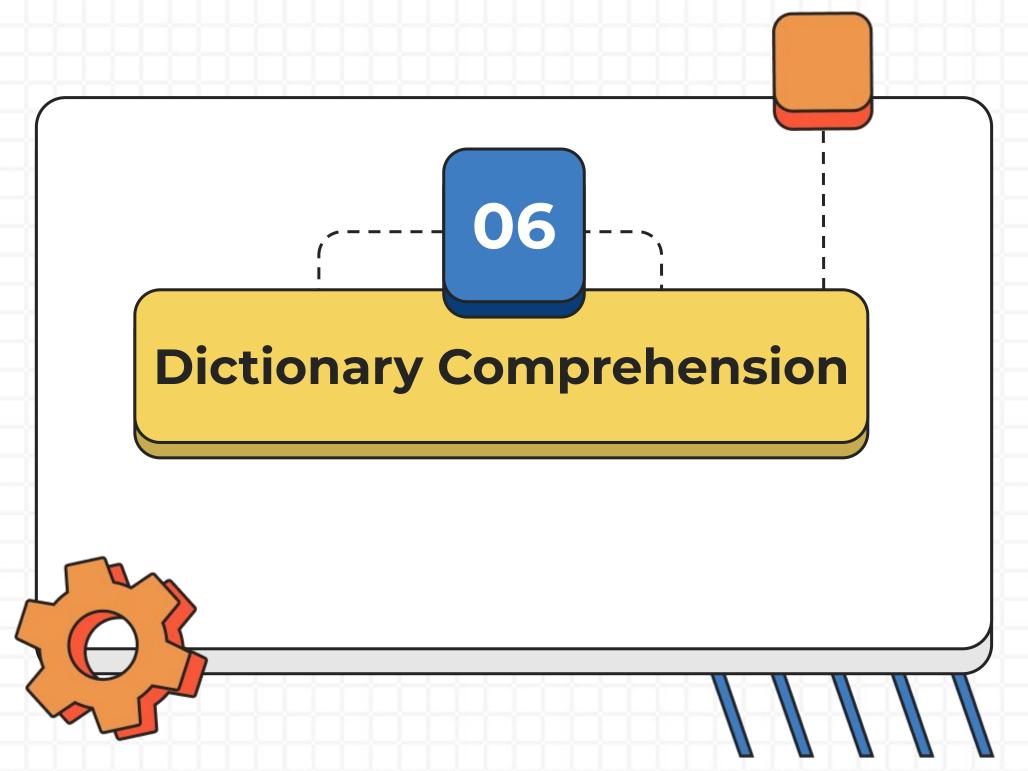


[i\*2 for i in range(1, 101) if i % 2 == 0]

Elemento Ciclo donde se extraen elementos de cualquier iterable

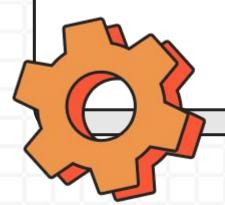
Condición opcional para filtrar elementos

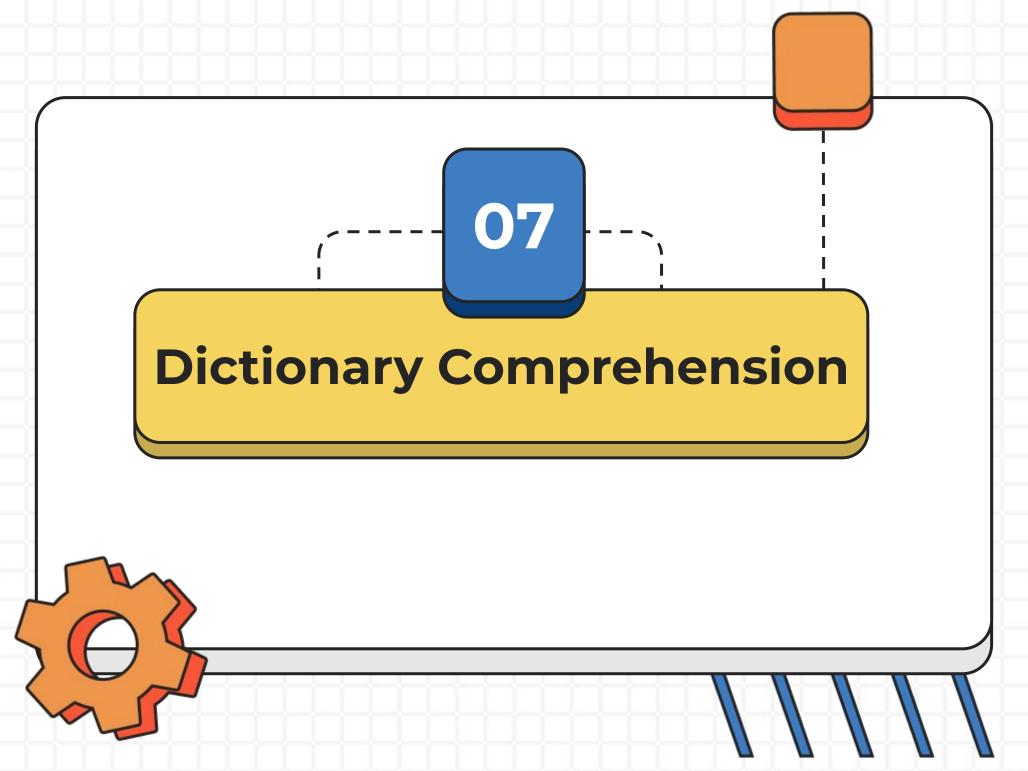




{key:value for var in iterable}

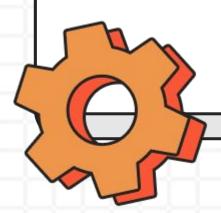
Elemento Ciclo donde se extraen elementos llave-valor de cualquier iterable

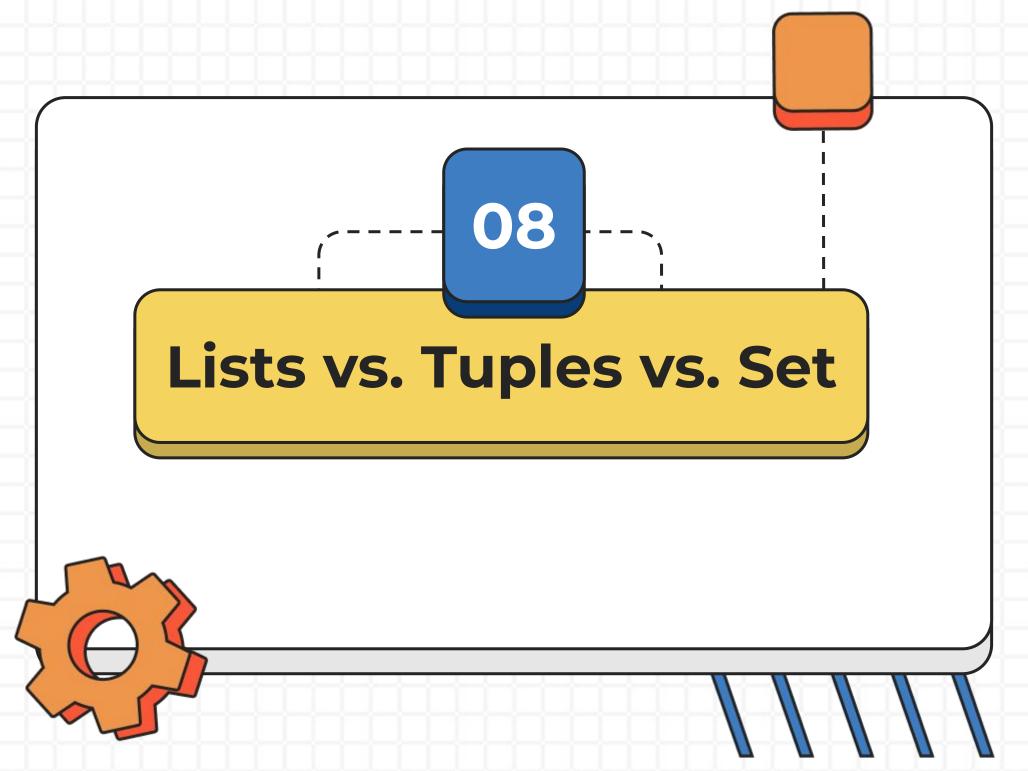




{key:value for var in iterable if condition}

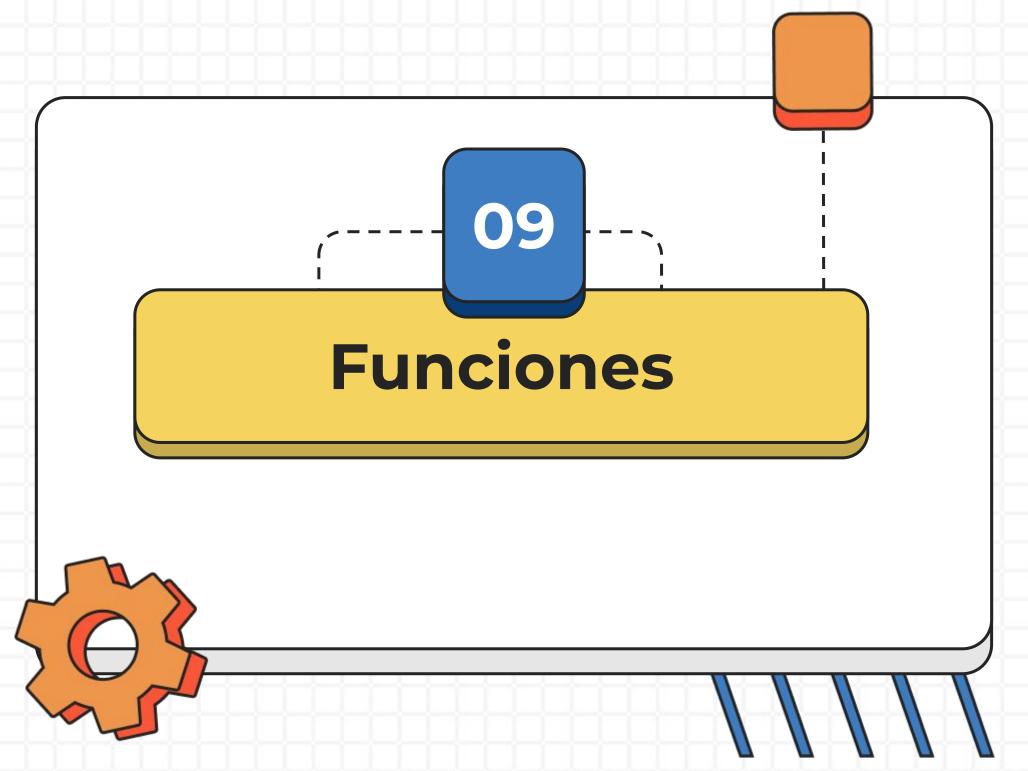
Elemento Ilave-valor Ciclo donde se extraen elementos de cualquier iterable Condición opcional para filtrar elementos

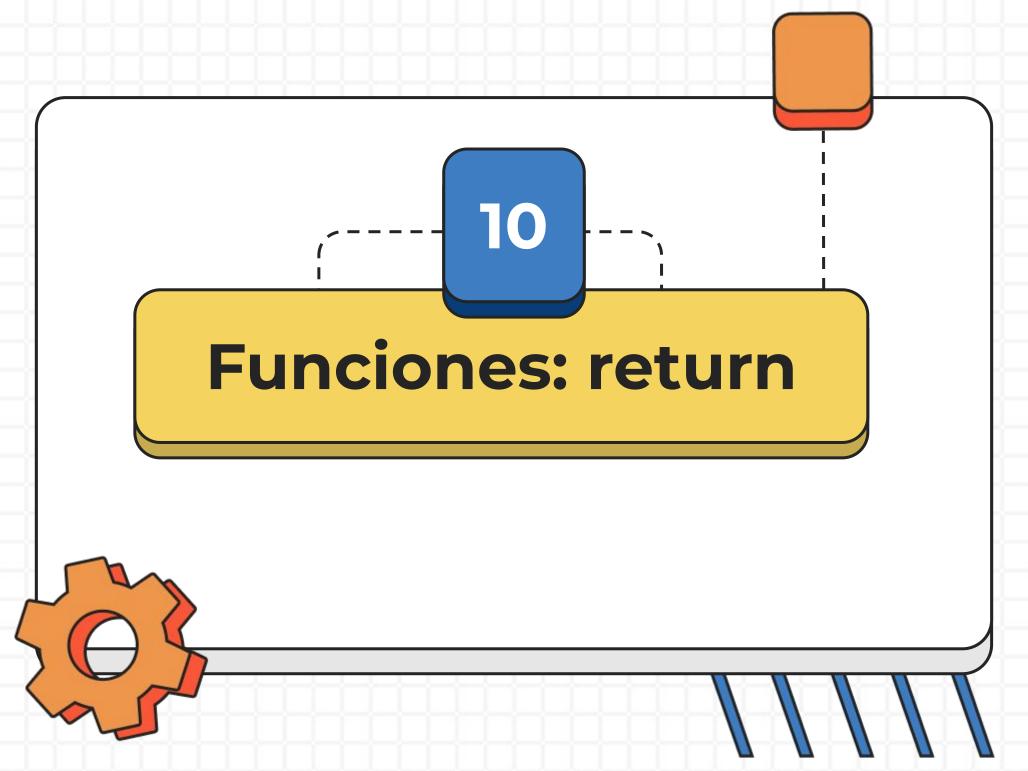


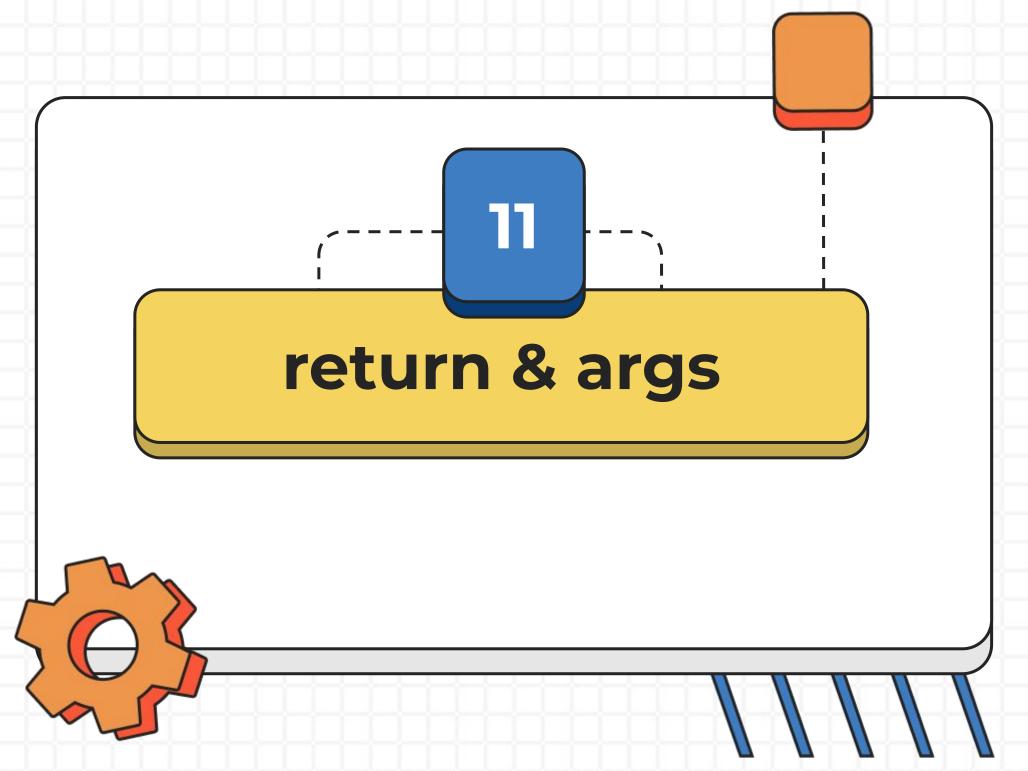


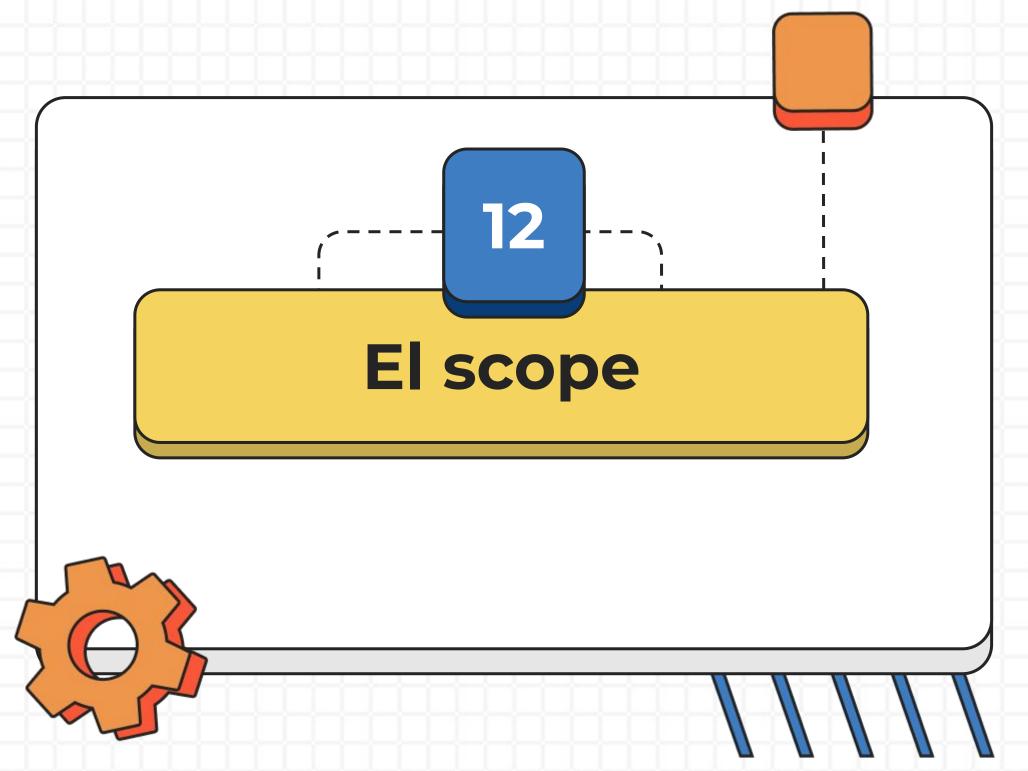
Indexing/S

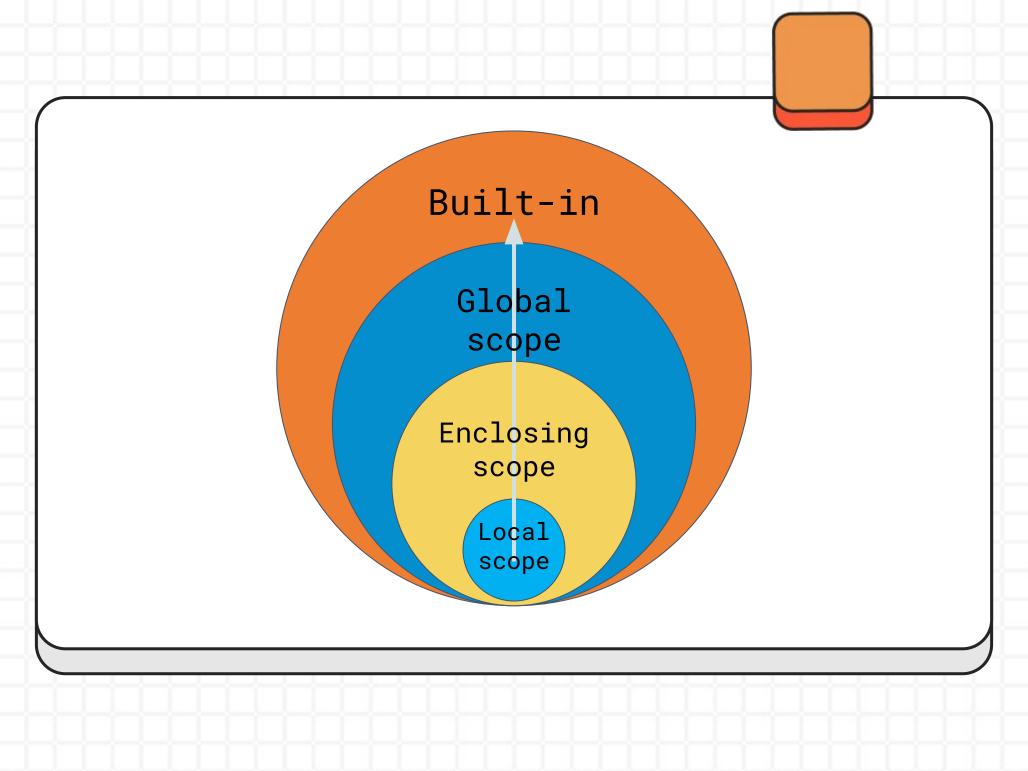
**Duplicar** 

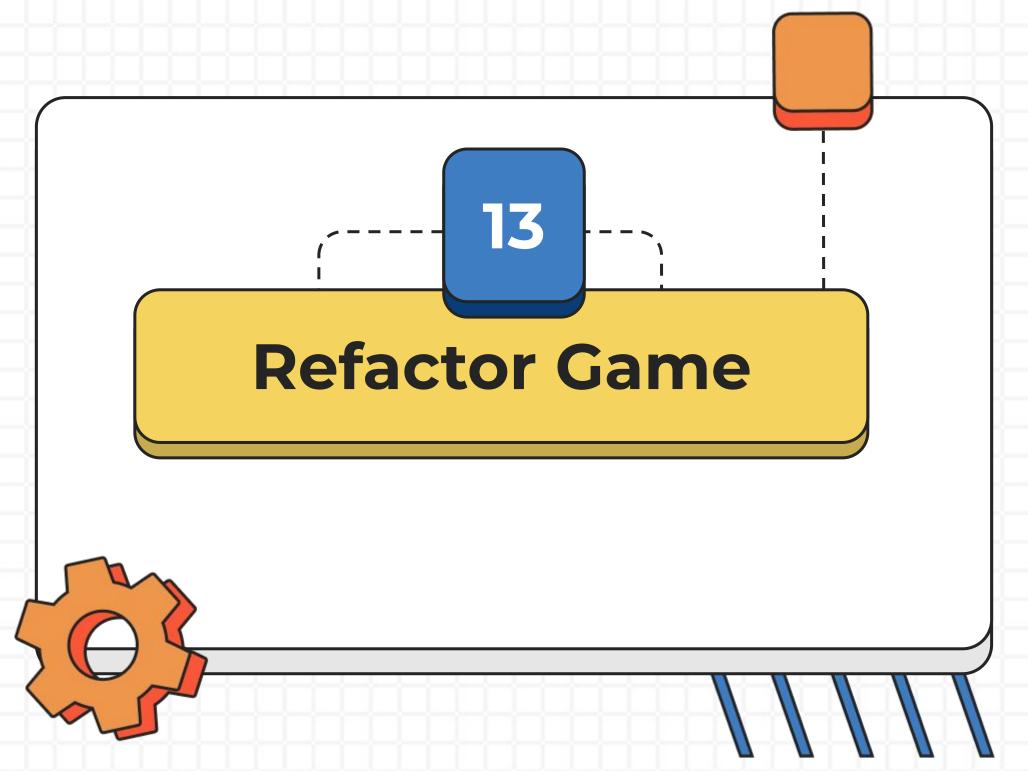


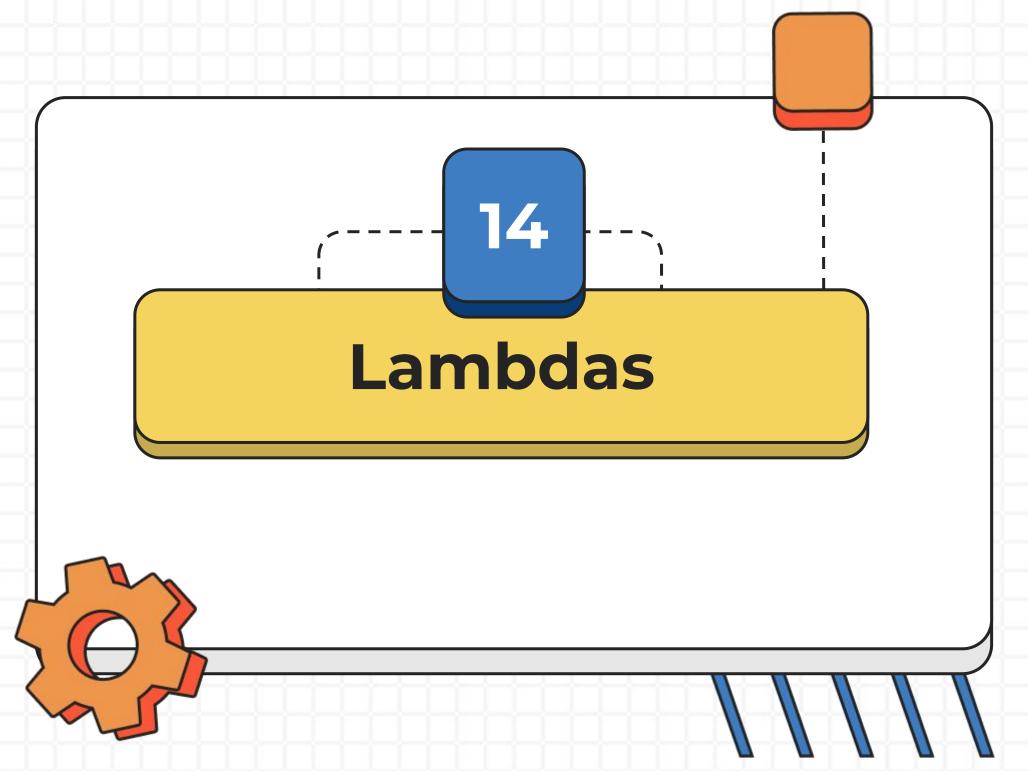


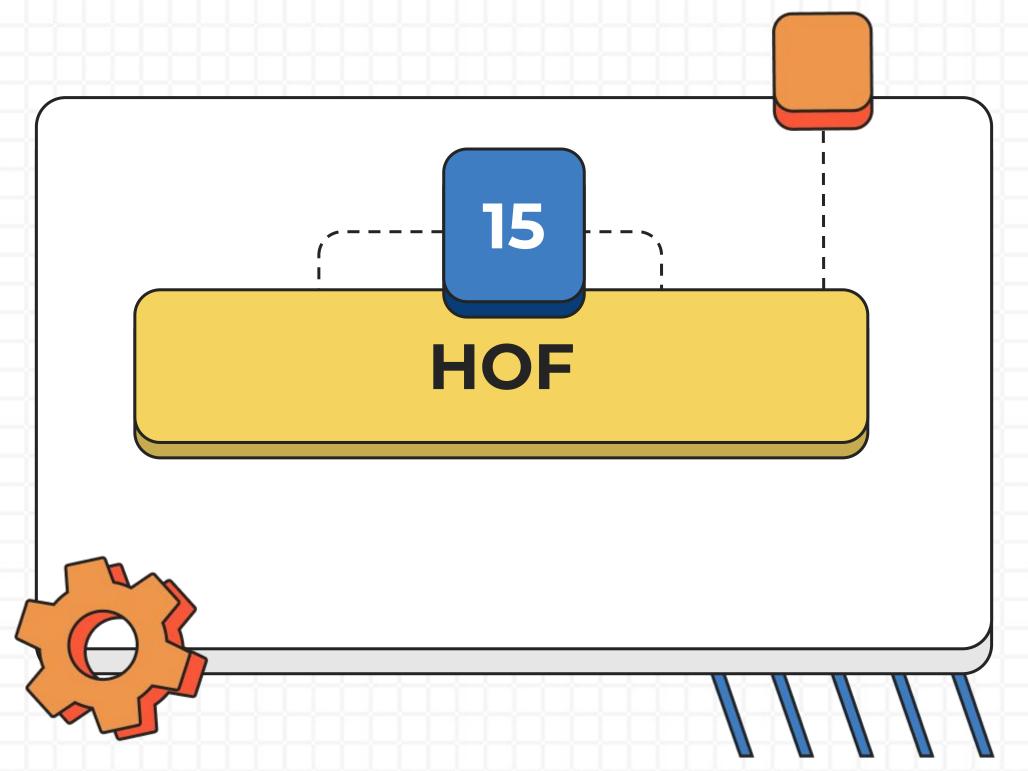


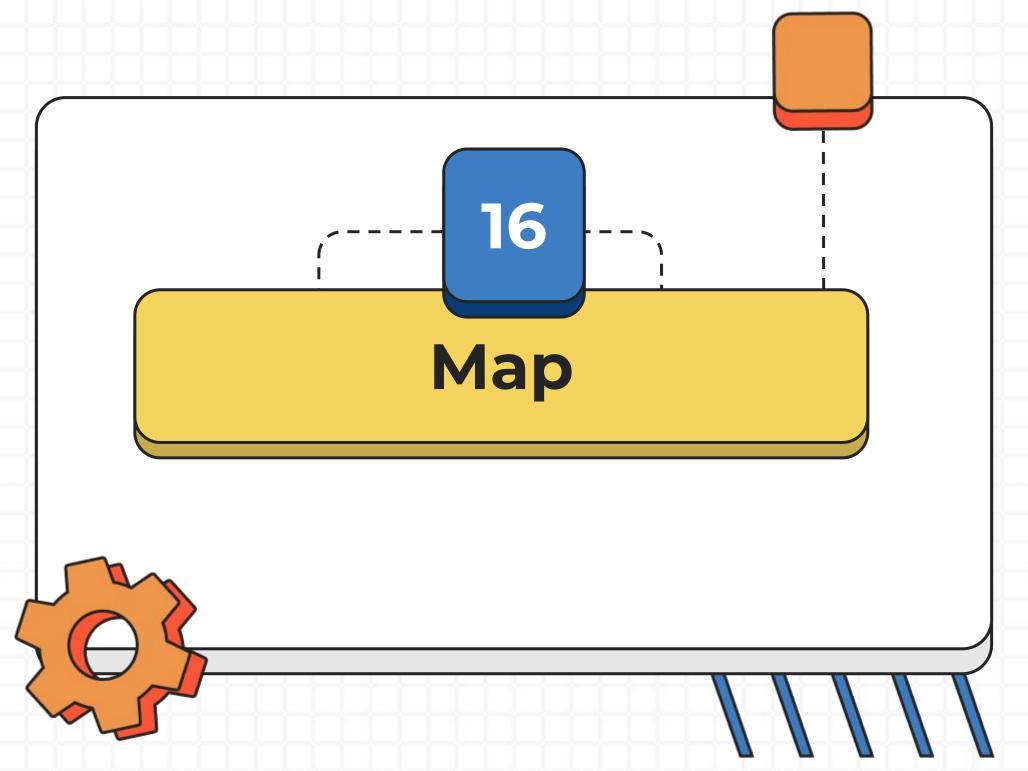


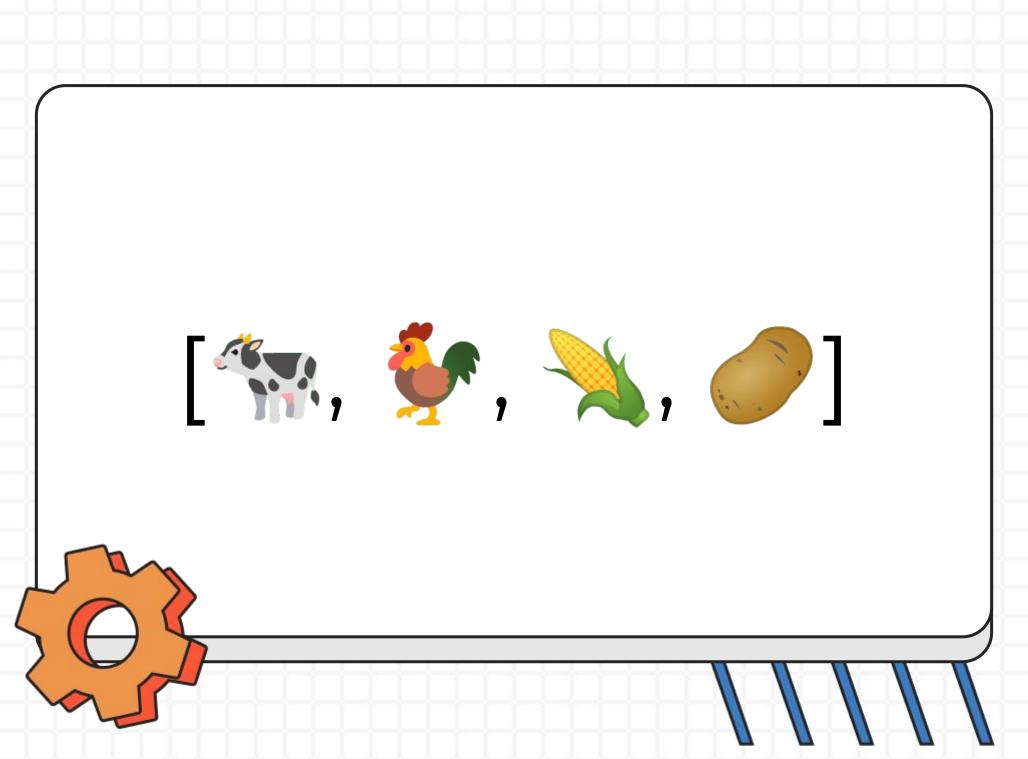




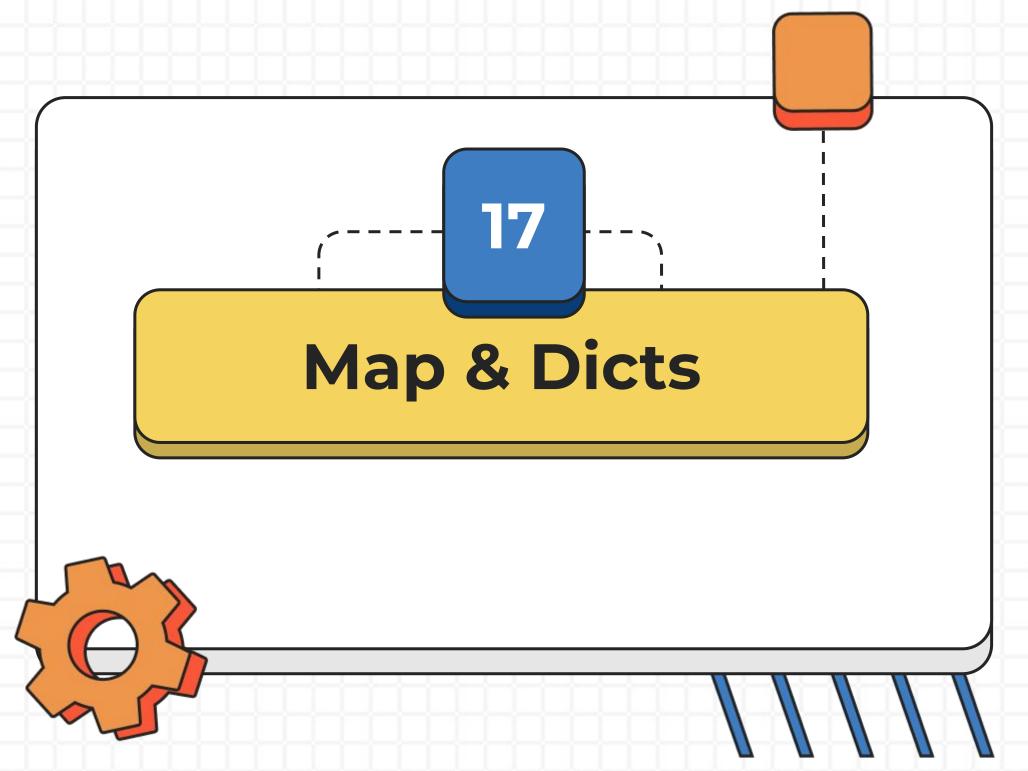


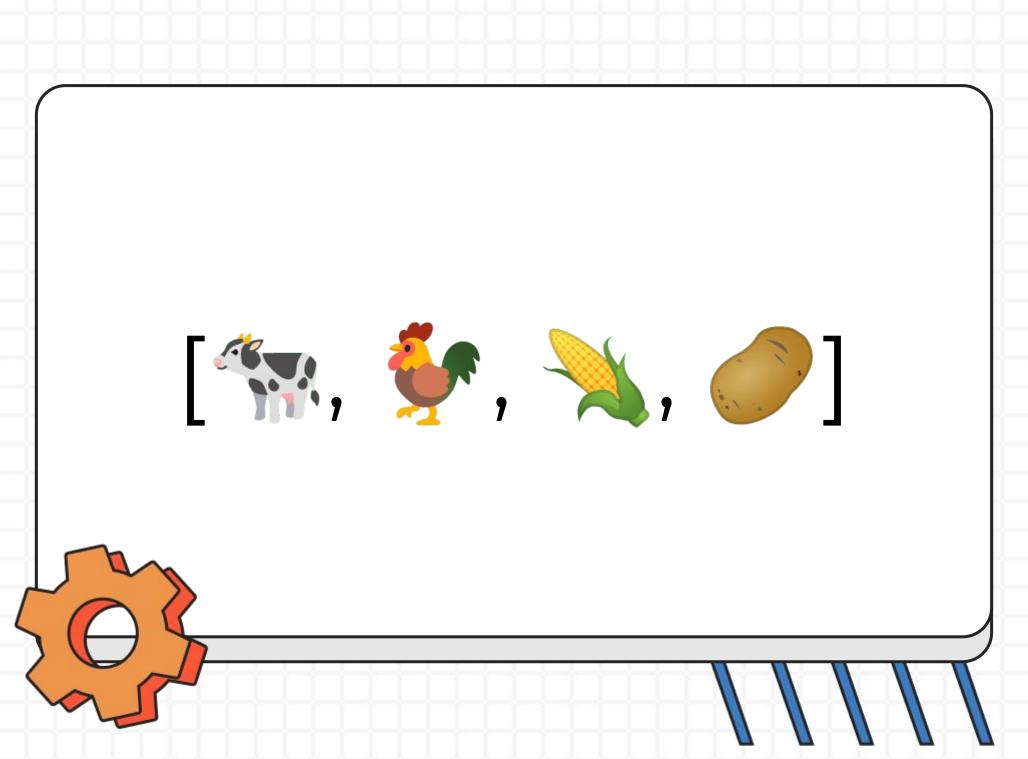




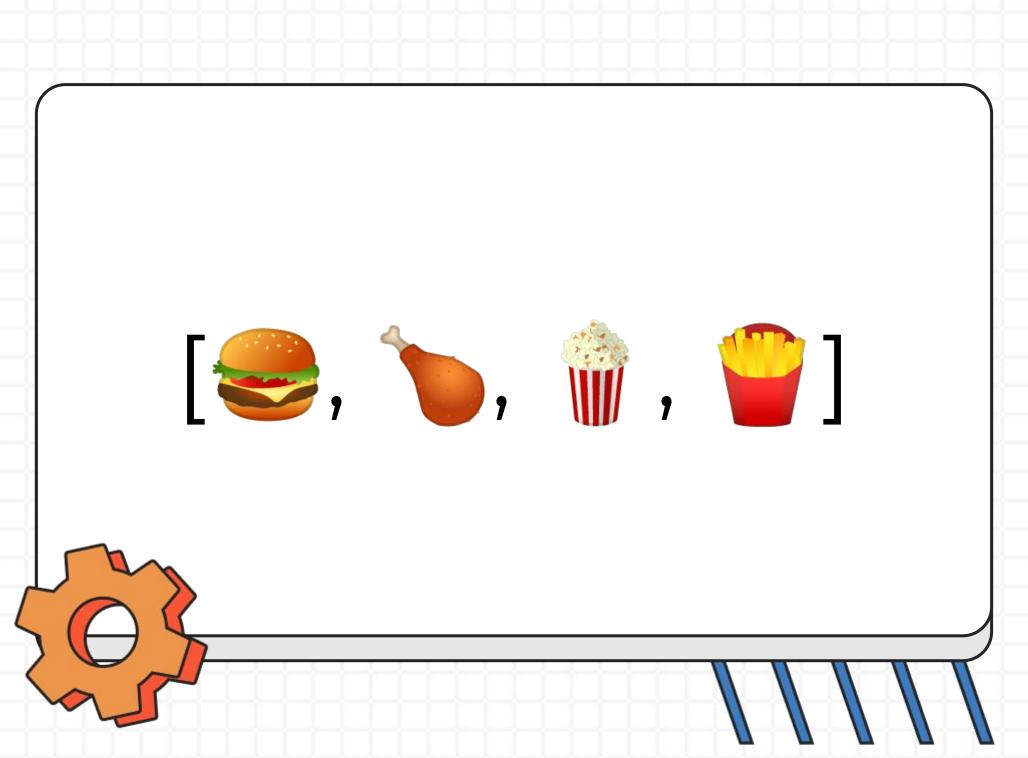


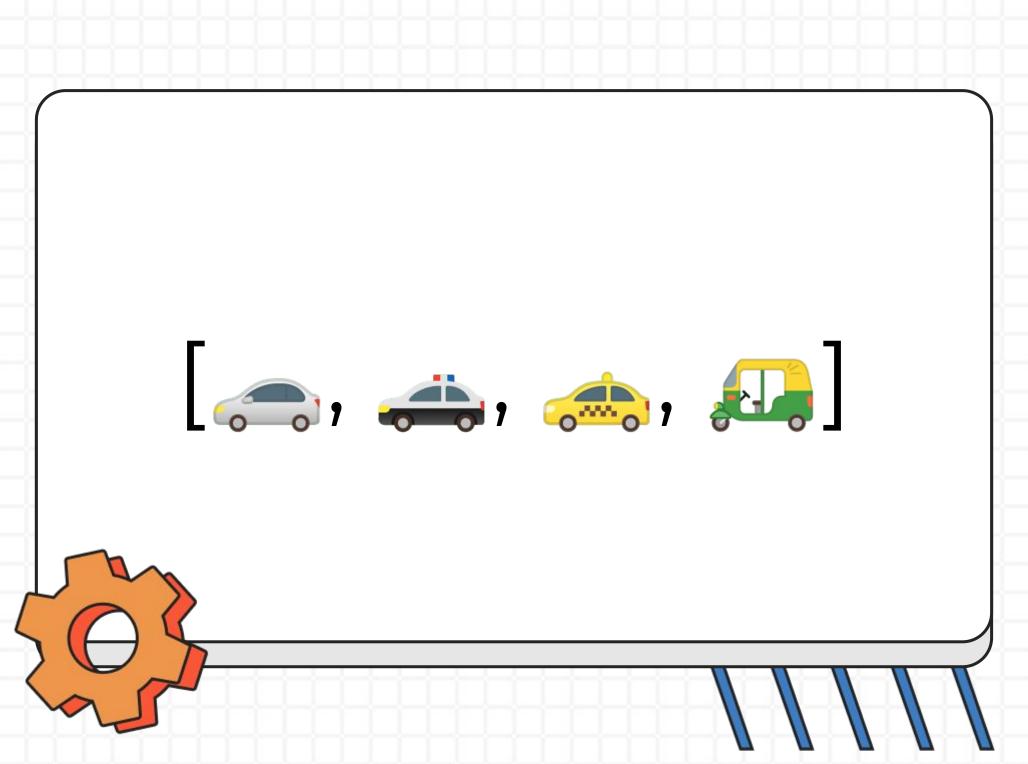
## cook()

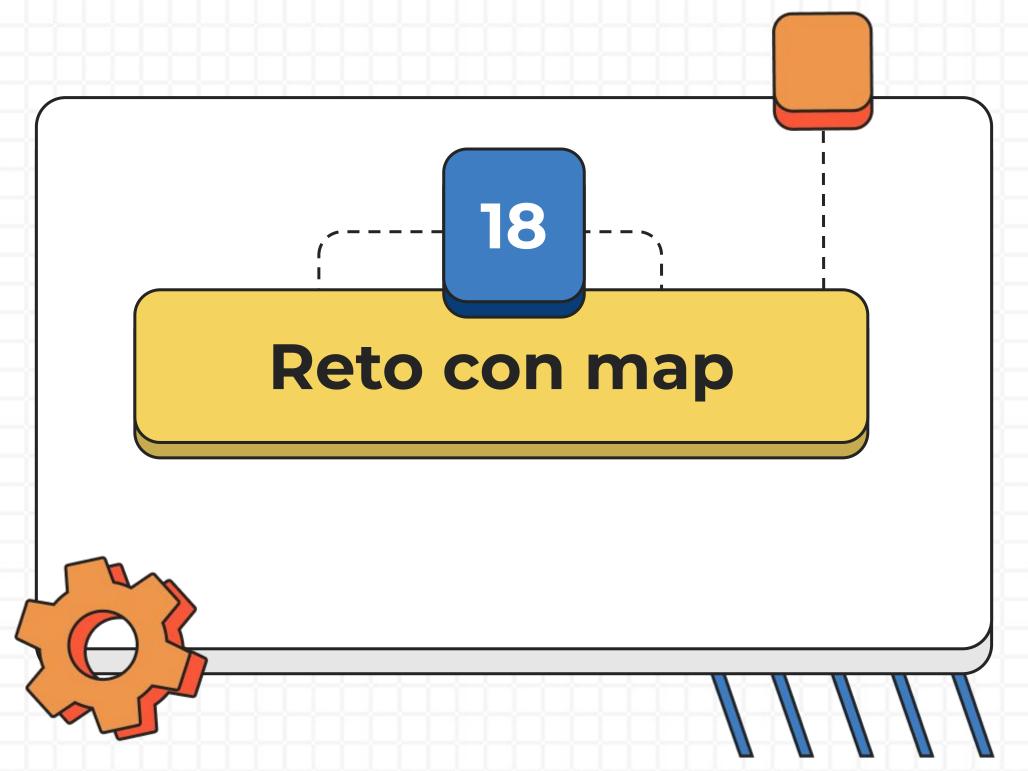


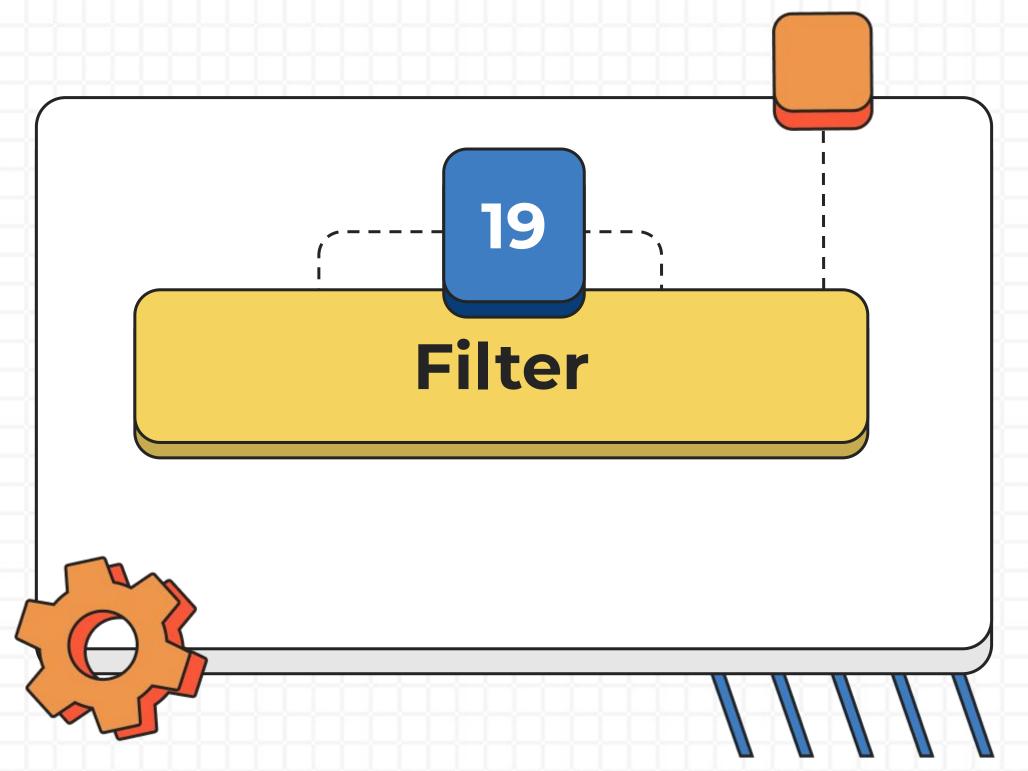


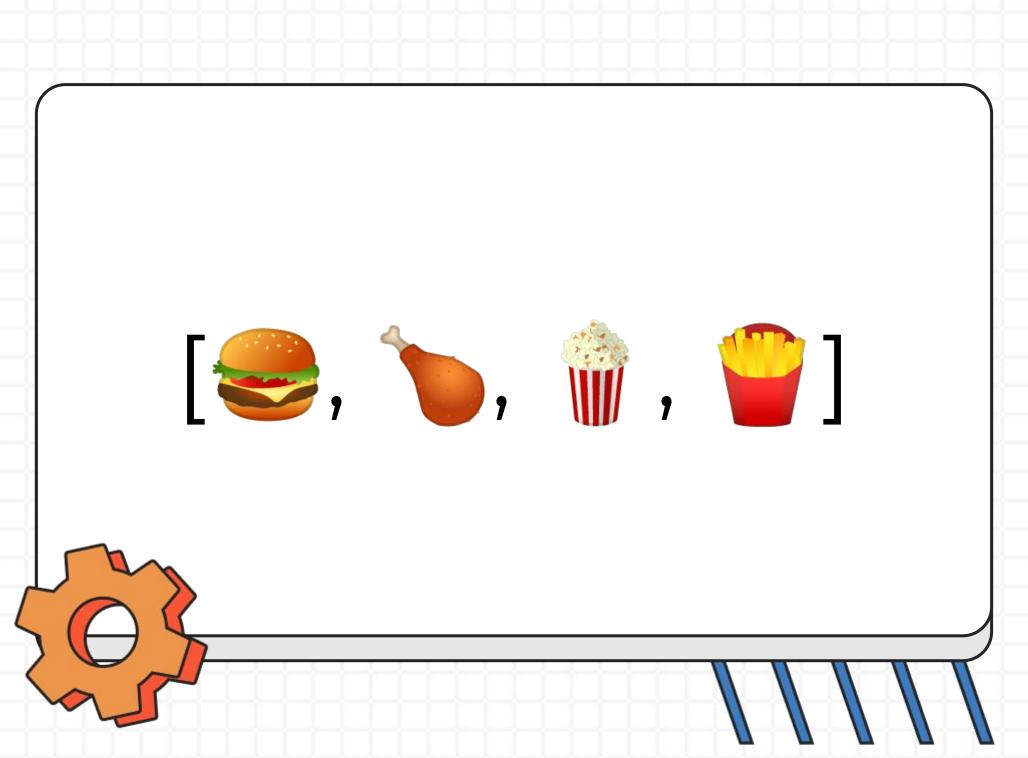
## cook()

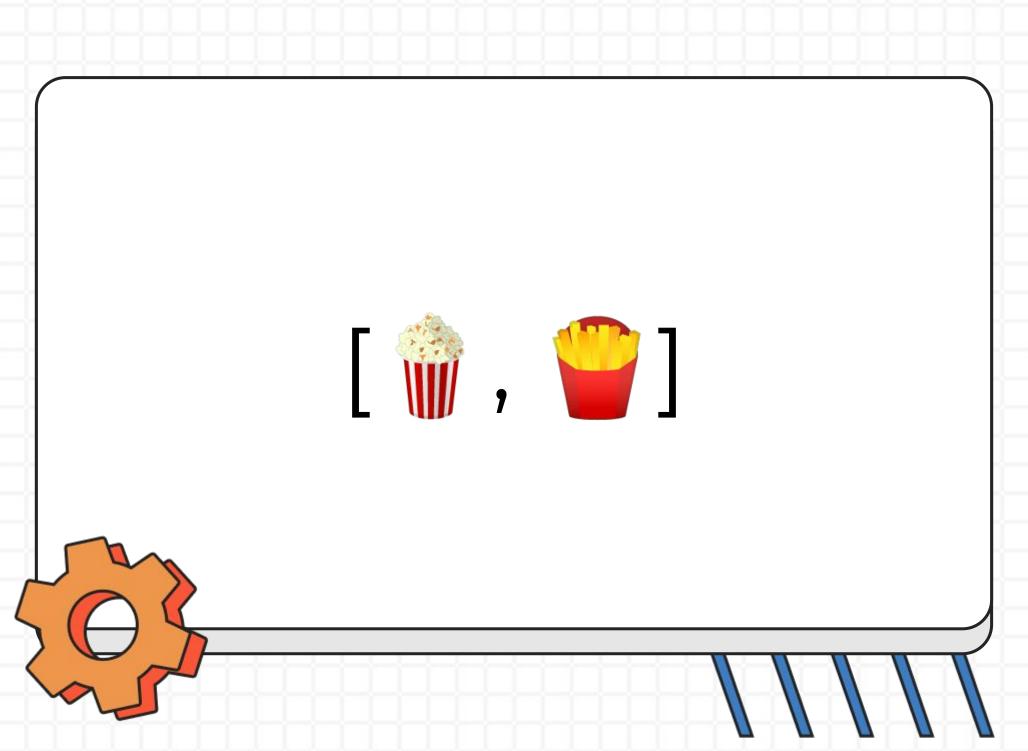


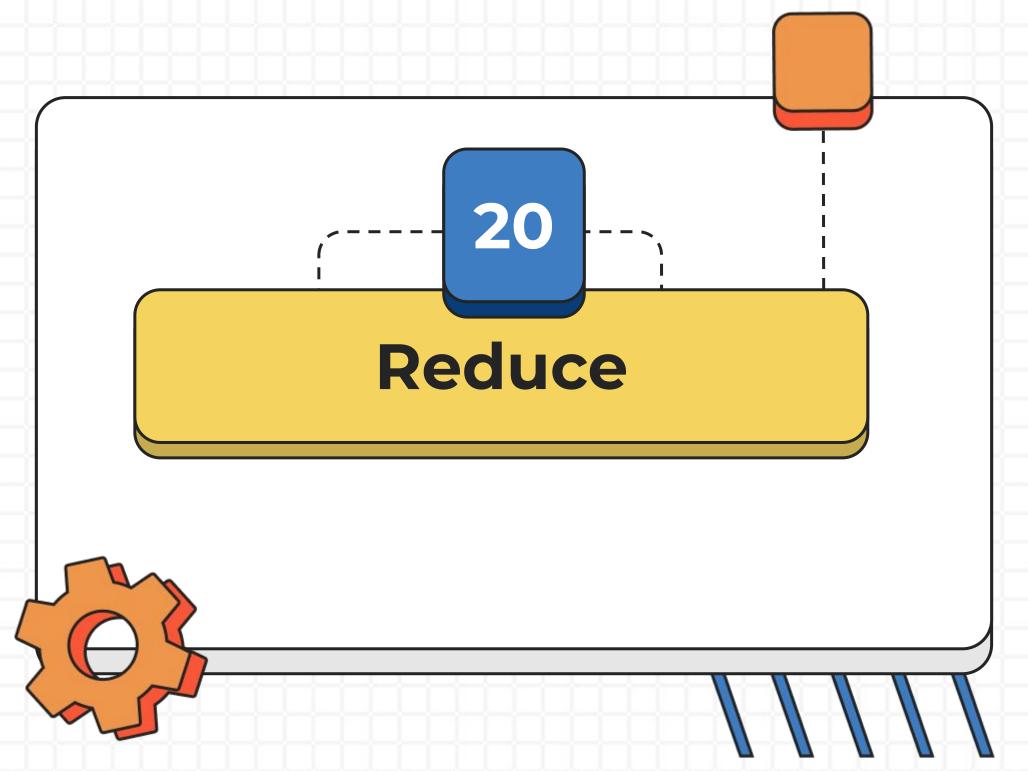


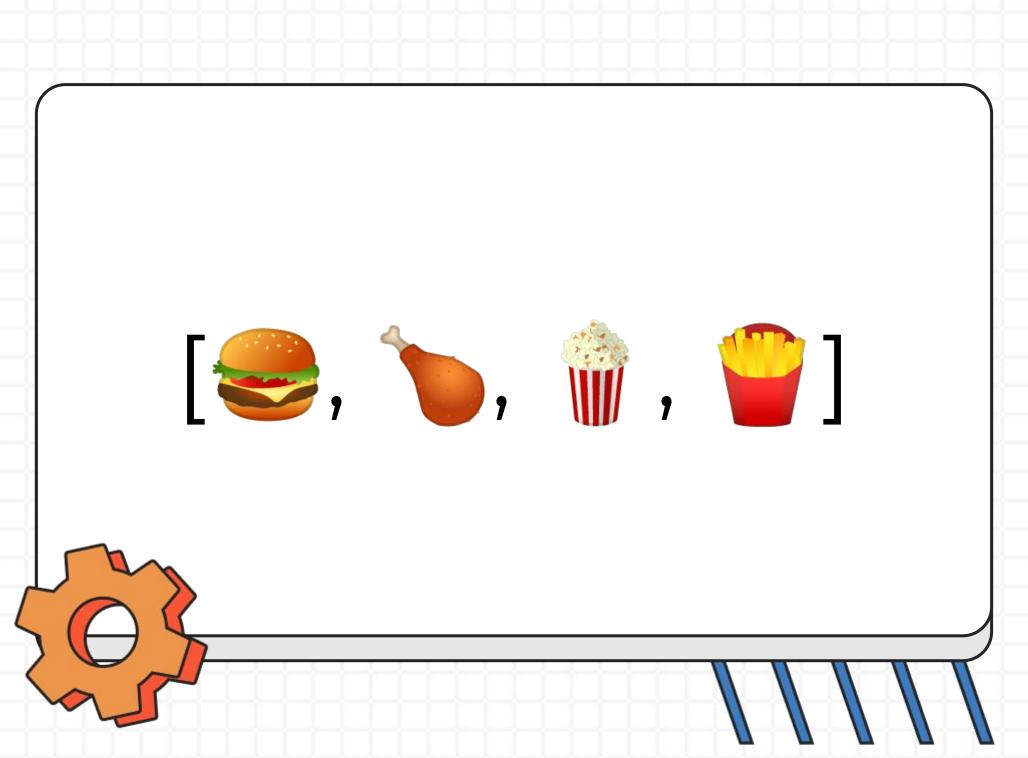


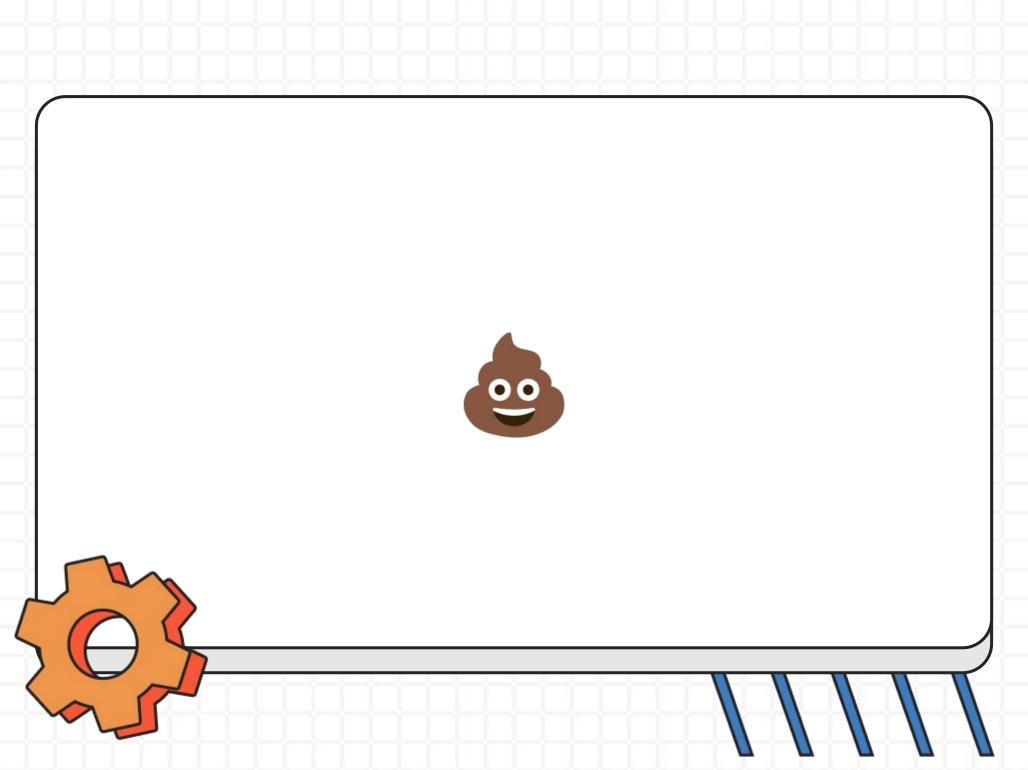




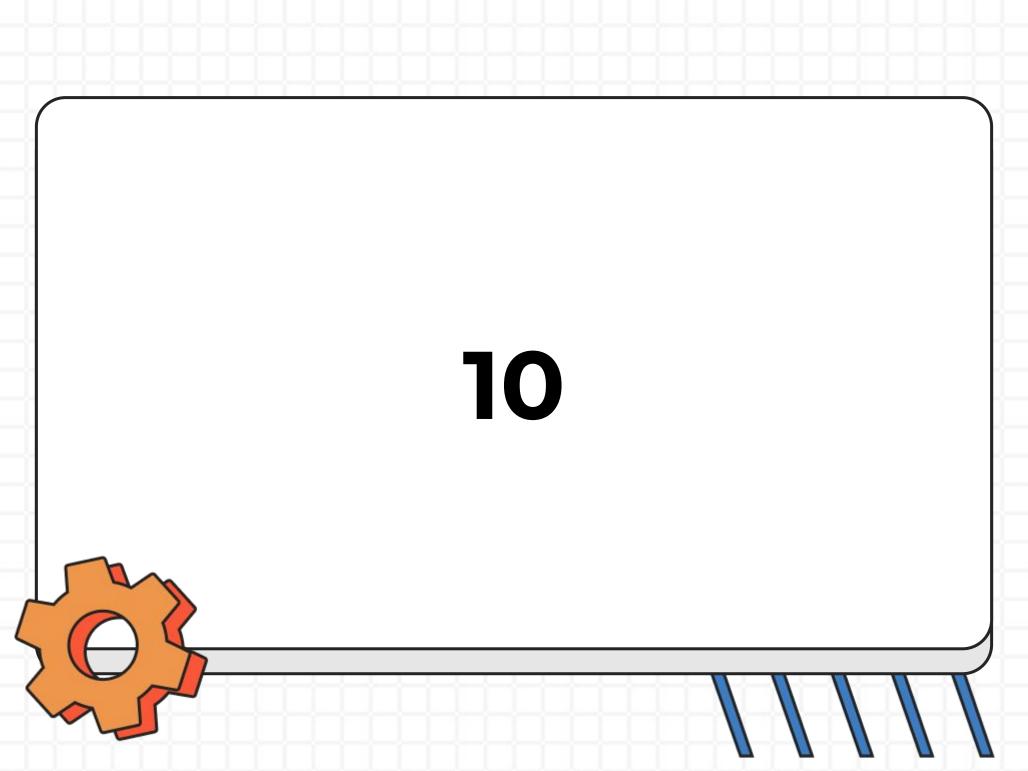








## [1, 2, 3, 4]

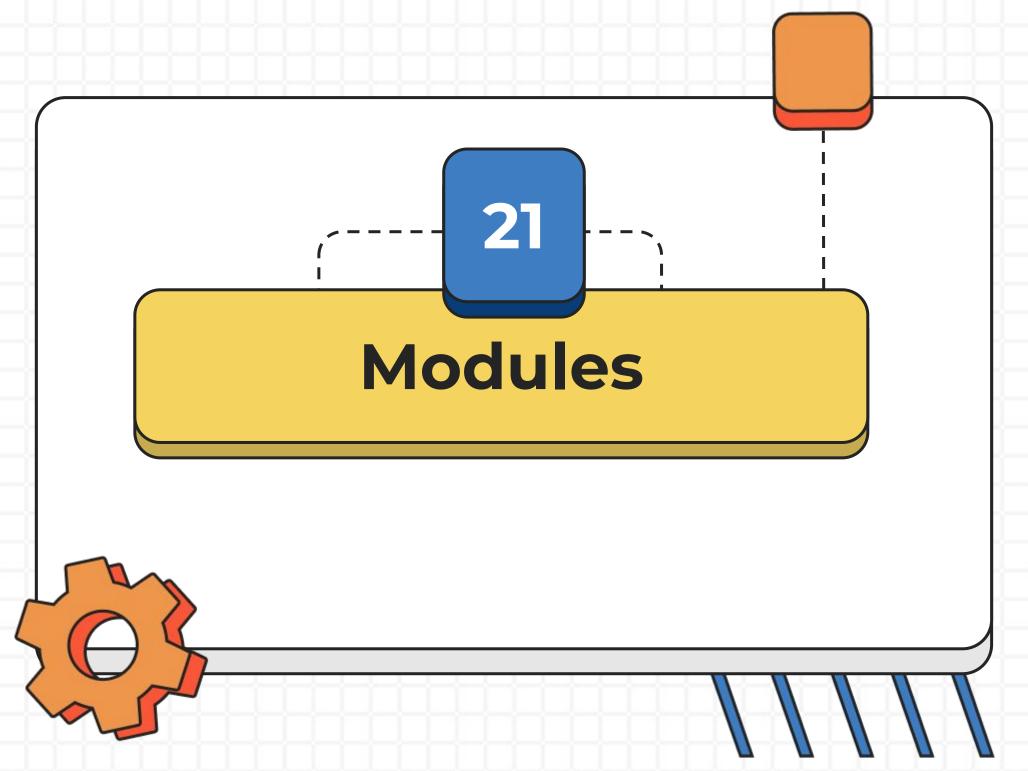


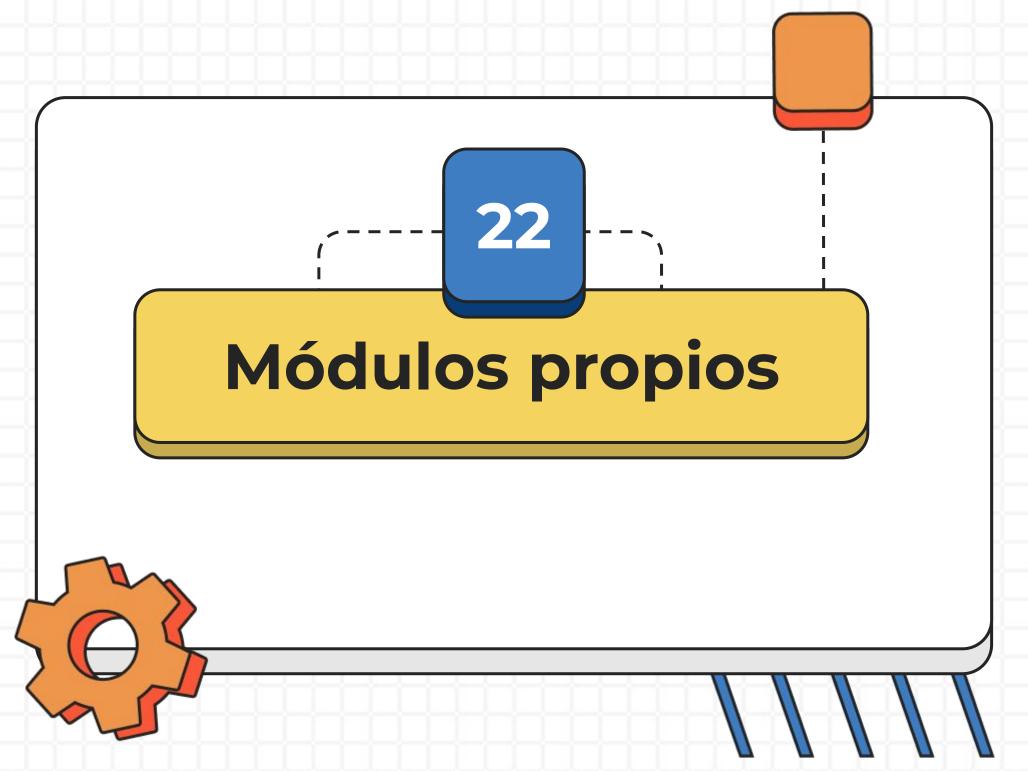
Iteration	Counter	Item	Return
1	O	1	1

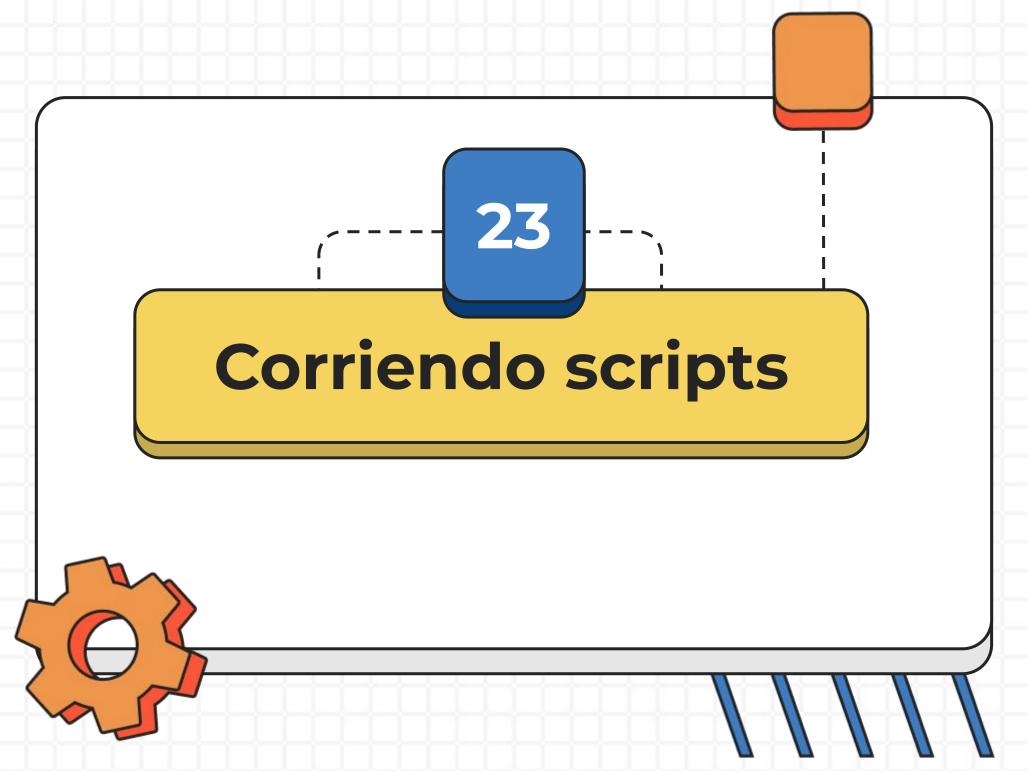
Iteration	Counter	Item	Return
1	O	7	1
2	1	2	3

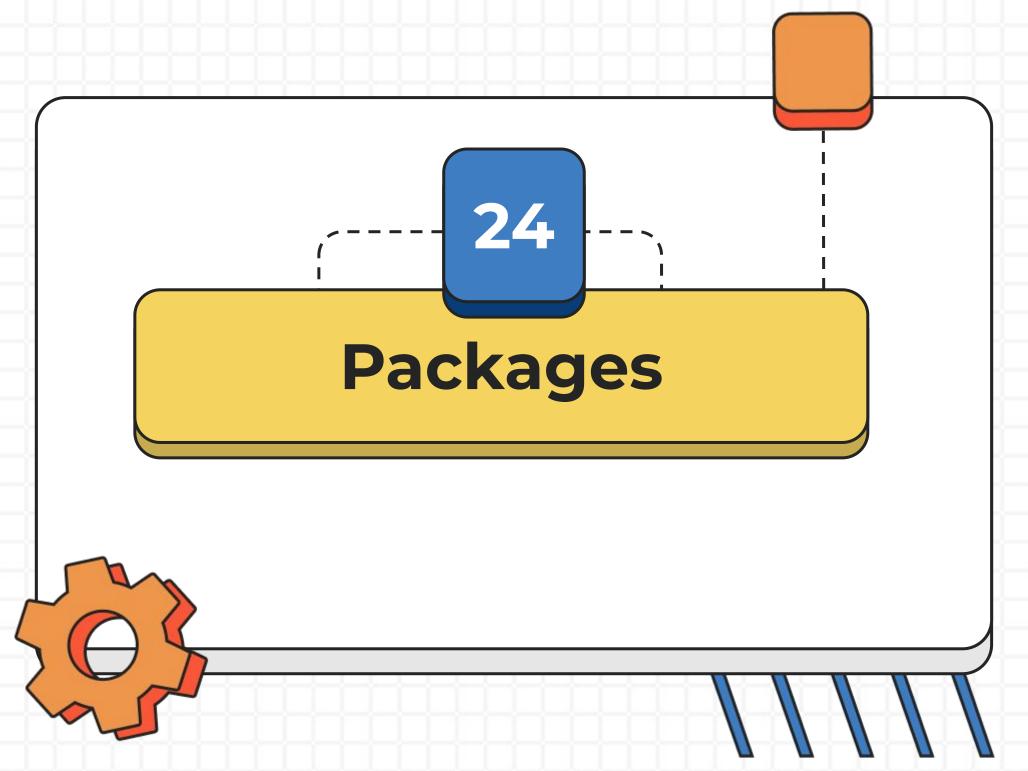
Iteration	Counter	Item	Return
1	O	1	1
2	1	2	3
3	3	3	6

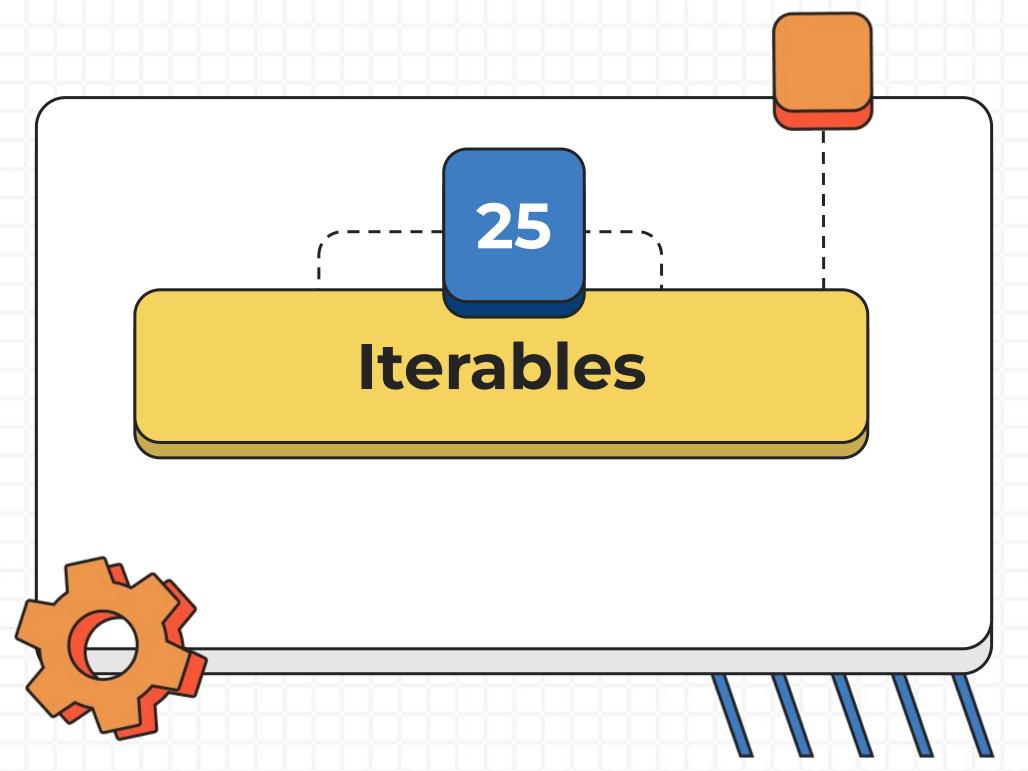
Iteration	Counter	Item	Return
1	O	7	1
2	1	2	3
3	3	3	6
4	6	4	10

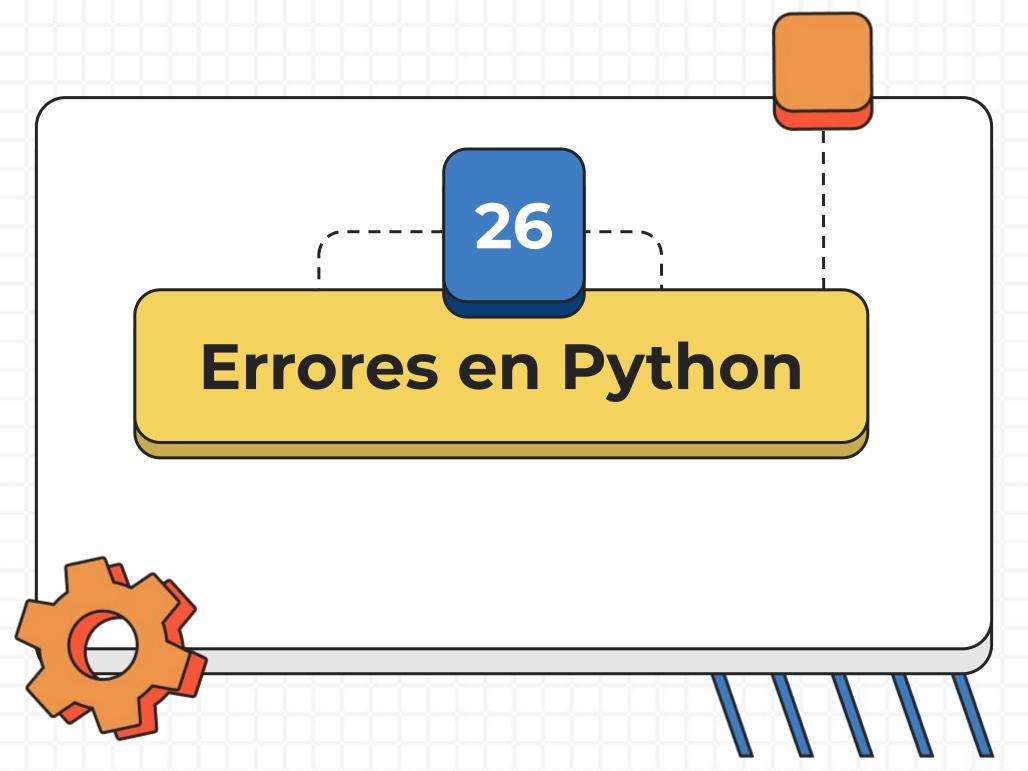








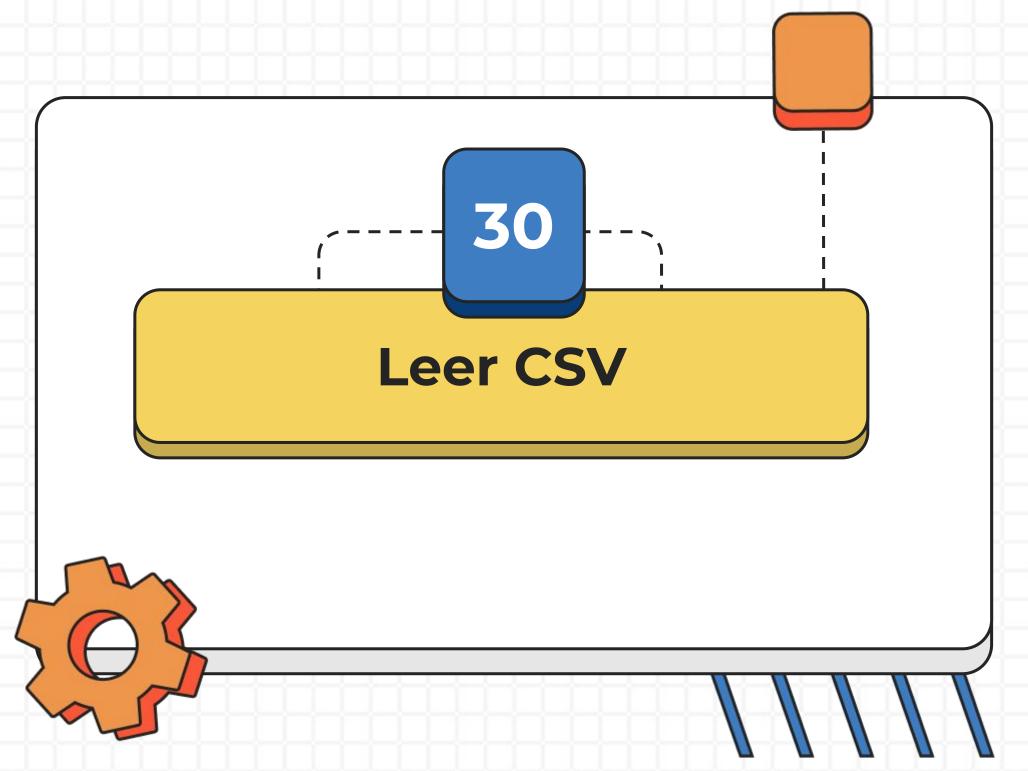








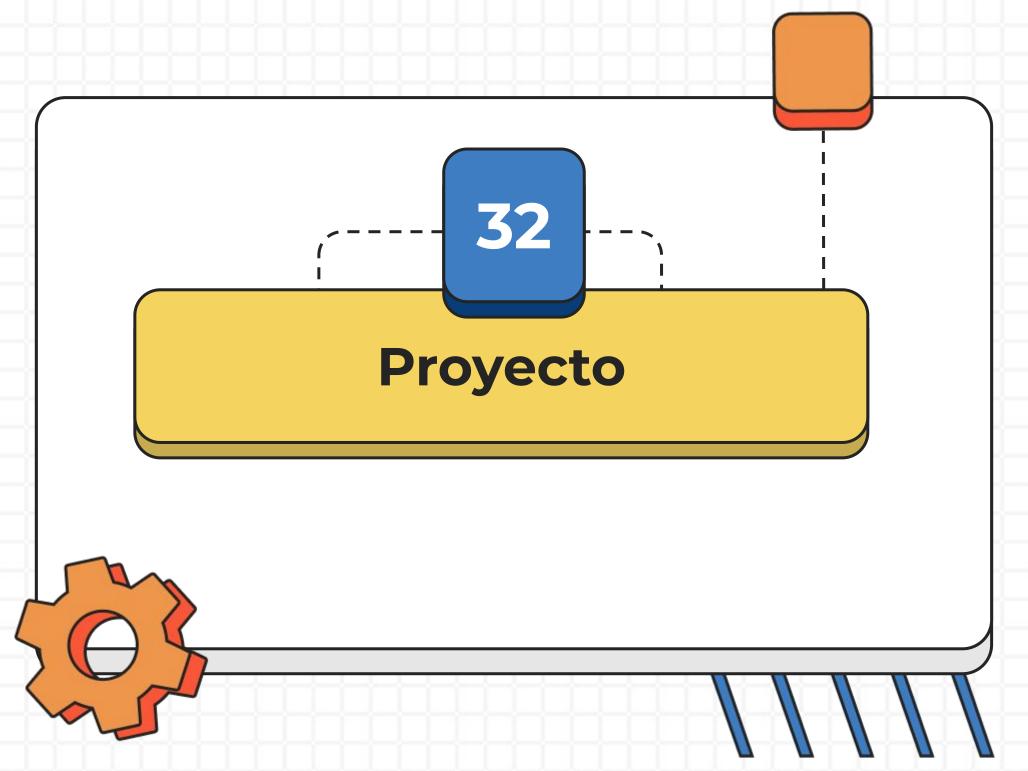




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  'Capital': 'Bogota',
  '2022 Population': 3000,
  'World Population Percentage': 0.12
},
  'Country': 'Bolivia',
  'Capital': 'Sucre',
  '2022 Population': 500,
  'World Population Percentage': 0.12
```







```
'Rank': 28,
'CCA3': 'COL',
'Country': 'Colombia',
'Capital': 'Bogota',
'Continent': 'South America'
'2022 Population': 3000,
'2020 Population': 400
'2015 Population': 500,
'World Population Percentage': 0.12
```



```
'2022': 3000,
'2020': 400,
'2015': 500,
'2010': 12,
'2000': 12,
'1990': 23,
'1980': 12,
'1970': 1212
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