



Day 4: Lists, Strings, and Math!



Get ready to code, create, and laugh
with Python!



Goals for Today



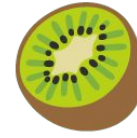
- ✓ Review string methods (uppercase, slicing, joining)
- ✓ Learn about Python lists: add, remove, loop, insert
- ✓ Use built-in math functions like `max()`, `min()`, `round()`





String Review

- ➡ Use `.upper()`, `.lower()`, `.replace()`
- ➡ Slice strings like `greeting[:5]`
- ➡ Join words into sentences with `' '.join(list)`



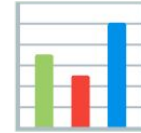
List Basics



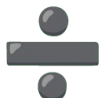


-  Create lists: `fruits = ['apple', 'banana']`
-  Add items: `append()` or `insert()`
-  Remove items: `remove()`
-  Loop through with for loops



Math Functions






-  `abs(number)` → absolute value
-  `max(list)`, `min(list)`
-  `round()`, `sum()`, and averages!



Let's Practice!





-  Puzzle: Unscramble the list of words
-  Challenges: Lists + Math combo
-  Mini-Project: Make your own Shopping List Maker!



Wrap-Up



- Work solo or in pairs 
- Ask questions 
- Be creative and have fun 