

## Unit of Measurement Converter: Inches, Feet, Yards

This Python project is a simple unit converter for measurements commonly used in length—specifically, inches, feet, and yards. The user inputs the starting unit (either inches, feet, or yards), the unit to convert to, and the measurement value. The program then calculates and outputs the converted measurement based on the specified units.

### Features

- **Input Flexibility:** Accepts various forms of unit abbreviations (e.g., "in," "ft," "yd") for user convenience.
- **Unit Conversions Supported:**
  - Inches to Feet / Yards
  - Feet to Inches / Yards
  - Yards to Inches / Feet
- **Error Handling:** Prompts users if incorrect units are entered, ensuring reliable conversions.

### Skills Gained

- **Conditional Logic:** Used if, elif, and else statements to control the program's decision-making process.
- **User Input Handling:** Collected and validated input from users, a key aspect of building interactive applications.
- **Data Validation:** Implemented checks for valid units to ensure user entries are correct.
- **String Manipulation:** Employed string methods like `.lower()` to handle case variations in user inputs.
- **Basic Mathematical Calculations:** Applied unit conversion formulas through multiplication and division for accurate results.

### Example Usage:

Enter Starting Unit of Measurement(inches, feet, or yards): feet  
Enter Unit of Measurement to Convert to(inches, feet, or yards): inches  
Enter Starting Measurement in Feet: 5  
Output: 5 feet = 60 inches

This project demonstrates essential skills for Python development, including conditional logic, input handling, and error checking, making it a useful foundational project for creating user-friendly applications.