Python Practice Projects

Explore the world of Python programming with these engaging projects.



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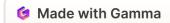
Interactive Quiz System

Objective: A quiz that asks multiple-choice questions and validates answers.

Features

- •Input: User answers.
- •Output: Print results with proper formatting.
- Data Types: Integer and string inputs.
- •Type Casting: Convert answers to integers for validation.
- •String Slicing: Extract parts of the answers.
- •Loops: Allow user to retake the quiz.
- •If-Else: Check if answers are correct.

- •Ask for name and age.
- Display question and choices.
- Validate user's response using if-else.
- •Output score at the end.



Student Management System

Objective: Manage student profiles with grades and information..

Features

- •User Input: Input birthdate.
- •If-Else: Check if birthday has passed this year.
- •Time Module: Use current date to calculate age.
- •Type Casting: Convert user input to integers.

- •Input birthdate (day, month, year).
- •Use time module to get current date.
- Calculate and display age.



Voting System

Objective: Cast votes for candidates and tally results.

Features

- •If-Else: Validate user input.
- Match-Case: Assign votes to candidates.
- •Operators: Count and compare votes.
- •Loops: Repeat voting process.

- Display list of candidates.
- Prompt user for vote.
- Tally votes and display results.



Currency Converter

Objective: Convert between different currencies.

Features

- •Type Casting: Convert currency amount to float.
- •If-Else: Validate selected currencies.
- •String Methods: Format currency output.
- •Loops: Allow repeated conversion

- •Input amount and currencies.
- Validate and convert currencies.
- Display result in formatted output.

