

Project 33: ISS Overhead Notification

Description

This project is a script that checks whether the International Space Station (ISS) is currently overhead and if it is night time at your location. If both conditions are met, it sends an email notification. The script continuously runs, checking every minute.

Key Technologies

- **Python:** Used for scripting the functionality to check the ISS position and email notifications.
- **Requests Module:** Utilized to fetch data from external APIs (ISS position and sunrise-sunset times).
- **smtplib Module:** Employed to send email notifications via SMTP.
- **datetime Module:** Used to handle date and time operations.
- **Concepts Covered:** API requests, data parsing, conditional checks, and email automation.
- **Unique Features:** Sends a notification when the ISS is overhead during the night, combining satellite tracking and local time checks.

Kanye West Quote Generator

Description

This project is a simple graphical application that retrieves and displays quotes from Kanye West using the Kanye REST API. When the user clicks a button, a new quote is fetched from the API and displayed on the screen. The interface includes a background image and a button with an image of Kanye West.

Key Technologies

- **Python:** Used for implementing the application logic and interacting with the REST API.
- **Tkinter:** Utilized to create the graphical user interface (GUI) for displaying the quotes.
- **Requests Module:** Employed to fetch quotes from the Kanye REST API.
- **Concepts Covered:** GUI development, API interaction, and dynamic text updates.
- **Unique Features:** Provides an interactive GUI with real-time quote updates from an external API.