

# Automated Weekly Reminder Email with Google Calendar Events

## Objective

This task involves automating a weekly email reminder that fetches events from Google Calendar and sends them via email every Saturday.

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## Recommended Technology

For smooth implementation, we recommend using the following technologies:

### Programming Language Choices

- **Python** (*Recommended for simplicity and API support*)
- **Node.js** (*Alternative for JavaScript users*)
- **Bash** (*For Linux users with `curl` and `sendmail`*)

### Google Calendar API Setup

- **Google Cloud Console** – To create OAuth credentials
- **Google Calendar API** – To fetch events

### Email Sending Options

- **SMTP (Gmail, Outlook, etc.)** – Using `yagmail` or `smtpplib` (Python)
- **Node.js (nodemailer)** – If using JavaScript

### Automation Tools

- **Linux/macOS:** `cron` for scheduling tasks
  - **Windows:** Task Scheduler
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## Task Requirements

- **Google Calendar API:** Retrieve upcoming events for the next 7 days.
- **Email Automation:** Send a reminder email using an SMTP service.

- **Automation Setup:** Schedule the script using **cron (Linux/macOS)** or **Task Scheduler (Windows)**.
  - **GitHub Submission:** Push your final code to a GitHub repository.
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## Getting Started

### 1 Set Up Google Calendar API

1. Go to the Google Cloud Console.
2. Create a new project or use an existing one.
3. Enable the **Google Calendar API**.
4. Create OAuth credentials and download `credentials.json`.
5. Store `credentials.json` in your project directory.

Install required dependencies (For Python scripts):

```
pip install google-auth google-auth-oauthlib google-auth-httplib2 google-api-python-client
```

## Submission Instructions

1. Push your code to a GitHub repository.
2. Include a README with setup steps.
3. Attach screenshots of test emails and automation setup.

### GitHub Repository

GitHub Repo Link (Replace with your repo)

**Happy coding!**