

## calendar\_utils - Python Library Documentation

### Project Description

calendar\_utils is a Python library designed to offer a comprehensive suite of calendar-related functions. This library provides functionalities such as printing a yearly calendar, determining the day of the week for a specific date, calculating week numbers in a year and month, adding days to a date, and finding the number of days between two dates.

### Features

- Print Yearly Calendar: Display the calendar for a given year.
- Determine Weekday: Find out the day of the week for a specific date.
- Calculate Week Number in Year: Get the week number for a given date in a year.
- Add Days to Date: Calculate a new date by adding a specified number of days to an existing date.
- Calculate Days Between Dates: Find the number of days between two dates.
- Calculate Week in Month: Determine the week number for a date within its month.

### Installation

You can install this library using pip:

```
pip install calendar_utils
```

### Usage

Here's how you can use the functions provided by calendar\_utils:

#### Import the Library

```
from calendar_utils import (  
    yearly_calendar,  
    week_day,  
    calculate_week_number,  
    add_days,  
    num_of_days,  
    calculate_week_in_month  
)
```

#### Print Yearly Calendar

```
yearly_calendar(2025)
```

#### Determine Weekday

```
print(week_day("2025-01-17"))
```

### Calculate Week Number in Year

```
print(calculate_week_number("2024-01-17"))
```

### Add Days to Date

```
print(add_days("2025-01-16", 50))
```

### Calculate Days Between Dates

```
print(num_of_days("2025-01-16", "2025-03-07"))
```

### Calculate Week in Month

```
print(calculate_week_in_month("2024-01-17"))
```

### Project Structure

```
calendar_library/  
├── calendar_utils/  
│   ├── __init__.py  
│   └── calendar_functions.py  
├── setup.py  
├── main.py  
└── test.py
```