1. An explanation of the code's functionality in relation to the function

This is a calendar search application which uses the provided binary search function to look for events on a specific time and date or the time a specific event is starting.

1. Details on the code's intended use and application

The code is written as a helper function or extension to most calendar apps such that it can answer these following questions.

Q1: What time is a specific event on a specific day?

Q2: What event is on a specific time of a specific day?

1. An outlook on how the code can be utilized in future projects and how it can benefit individuals.

The calendar is a commonly used application by many business professionals and others. Searching efficiently in a calendar is an important functionality which needs to be fast and optimal. This search code helps in achieving efficiency through the use of binary search algorithm. Future projects will include implementing the functionality for applications like a scheduler, directories, team management apps, code debuggers, etc.