Practice Questions based on datetime module

- 1. Event Reminder Application
 - Your task is to create an event reminder application. The application should accept the event name and event date (in YYYY-MM-DD format) from the user and calculate how many days are left until the event.

```
import datetime
event_name=input("enter event name ")
year=int(input("enter the year"))
month=int(input("enter the month"))
day=int(input("enter the day"))
def day_left1():
  event_date=datetime.date(year,month,day)
 today_date=datetime.date.today()
 day_left=event_date-today_date
 print(day_left.days)
day_left1()
\Rightarrow enter event name nitin
     enter the year2026
     enter the month5
     enter the day2
     683
import datetime
event_name = input("Enter event name: ")
year = int(input("Enter the year: "))
month = int(input("Enter the month: "))
day = int(input("Enter the day: "))
def days_left():
    event_date = datetime.date(year, month, day)
    today_date = datetime.date.today()
    days_left = event_date - today_date
    print(f"Days left until {event_name}: {days_left.days}")
days_left()
→ Enter event name: nitn
     Enter the year: 2026
     Enter the month: 5
     Enter the day: 8
     Days left until nitn: 689
Double-click (or enter) to edit
Start coding or generate with AI.
```

Time Duration Calculation

• Write a program that asks the user to input two times (start time and end time) in HH:MM:SS format. Calculate and print the duration between these two times in hours, minutes, and seconds.

Start coding or generate with AI.

```
import datetime
class Time:
    def input(self):
        self.hour = int(input("Enter the hour: "))
        self.minute = int(input("Enter the minute: "))
        self.second = int(input("Enter the second: "))
    def to_timedelta(self):
        return datetime.timedelta(hours=self.hour, minutes=self.minute, seconds=self.second)
    @staticmethod
    def calculate_time(t1, t2):
        time_difference = t2 - t1
        print("Time difference:", time_difference)
\mbox{\tt\#} Create instances of Time
d1 = Time()
d2 = Time()
# Get input for both instances
d1.input()
d2.input()
# Convert to timedelta
t1 = d1.to_timedelta()
t2 = d2.to_timedelta()
# Calculate the time difference
Time.calculate_time(t1, t2)
Enter the hour: 20 Enter the minute: 5
     Enter the second: 5
Enter the hour: 20
     Enter the minute: 5
     Enter the second: 5
     Time difference: 0:00:00
```

Double-click (or enter) to edit