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()
```

```
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)

# 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