COP2805C Module 3 Graded Assignment

For this assignment we will implement a varargs method (also known as "variable arity") as discussed in Chapter 5 of our textbook (Methods).

- Create an "AppointmentApp" class which will serve as the main application class. The main method for the application should reside in this class.
- Add a feature to the AppointmentApp class which which uses a loop to create multiple appointments with randomized appointment times and reminder times (using the Random API). Be careful that your reminders do not occur after the appointment time.
    - The AppointmentApp class should store these appointments in an ArrayList (the "appointments list").
    - You may use the same contact for all appointments.
    - You can choose the random characteristic for the appointment times and reminder times, I used a random number of months added to the current date/time for each appointment and a different random value as the number of hours to subtract from the appointment time to produce the reminder.
- Add a method with variable arity which accepts a variable number of Appointment objects and adds them to the appointment list.

All code should be saved in a single .java file; only the AppointmentApp class should be declared public.

Refer to the submission instructions in the Canvas module for details regarding how to submit your solution.

Sample output:

Appt:
> **Title: Test Appointment 1**
> **Desc: This is test appointment 1**
> **Contact: JohnSmith@email.com,(Smith, John)904-555-1212,EMAIL,America/New_York**
> **Appt Date/Time: 2023-10-29T21:14:46.658380600-04:00[America/New_York]**
> **Reminder: 2023-10-28T23:14:46.658380600-04:00[America/New_York]**

Appt:
> **Title: Test Appointment 2**
> **Desc: This is test appointment 2**
> **Contact: JohnSmith@email.com,(Smith, John)904-555-1212,EMAIL,America/New_York**
> **Appt Date/Time: 2024-01-29T21:14:46.668668100-05:00[America/New_York]**
> **Reminder: 2024-01-29T15:14:46.668668100-05:00[America/New_York]**

Appt:
> **Title: Test Appointment 3**
> **Desc: This is test appointment 3**
> **Contact: JohnSmith@email.com,(Smith, John)904-555-1212,EMAIL,America/New_York**
> **Appt Date/Time: 2023-09-29T21:14:46.668668100-04:00[America/New_York]**
> **Reminder: 2023-09-29T19:14:46.668668100-04:00[America/New_York]**