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 creates 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]**