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Write a program to implement an appointment book.

- Implement a superclass Appointment and subclasses Onetime, Daily, and Monthly. An appointment has a description (for example, “meet with accountant”) and a date.
- Write a method occursOn(int year, int month, int day) that checks whether the appointment occurs on that date. For example, for a monthly appointment, you must check whether the day of the month matches.
- Then fill an array of Appointment objects with a mixture of appointments. Have the user enter a date and print out all appointments that occur on that date.
- Allow the user to add new appointments. The user must specify the type of appointment, the description, and the date.

Provide a test class to show the implementation of your appointment book.

Follow all directions in the Rules for Submitting Programs.