**Q-1:** A **publishing** company that markets both book and audiocassette versions of its works. Create a class called **publication** that stores the ***title*** (a string or c-string) and ***price*** (type float) of a publication. From this class derive two classes: **book**, which has a page ***count*** (type int) and **tape**: which has a playing time in ***minutes*** (type float). Each of the three classes should have a ***getdata()*** function to get its data from the user at the keyboard, and a ***putdata ()*** function to display the data. Add a member function ***Oversize ()*** to the **book** and **tape** classes. Let’s say that a book with more than 500 pages, or a tape with a playing time longer than 90 minutes, is considered oversize. You can access this function from main () and display the string “**Oversize**” for oversized books and tapes when you display their data.

Write a **main ()** program that creates an array of pointers to publication. In a loop, ask the user for data about a particular book or tape.