Q1 : Create a class **intarry** contain private member **array\_size** .

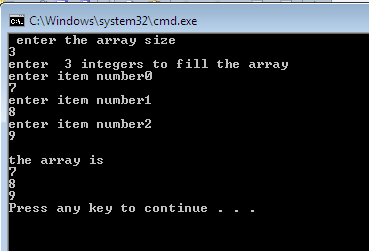
Create a class **dyarray** inherited **intarry** **publicly.**

The class have publicly:

* function **func** to create an **integer** array - that takes no arguments and return pointer to array ,inside the function create dynamic array using **array\_size** attribute.
* Function **fill\_arry** that take the arry and fill it with user input and return the arry.
* Function **print** to print the array.

In main create object from class **dyarray** ask the user to inter the array size

Create the array and fill it .



Q2: Imagine a publishing company that markets both book and audio cassette versions of its works.

* Create a class **publication** that stores the title and the price of a publication.
* From this class derive two classes:
* book, which adds a page count
* tape, which adds a playing time in minutes
* Each of these three classes should have
* **getdata()** function to get its data from the user at the keyboard (no arguments passes ask the user inside the function ) .
* **putdata()** function to display its 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, and use **new** to create an object of type book or tape to hold the data.

When the user has finished entering the data for all books and tapes, display the resulting data for all the books and tapes entered, using a

for loop and a single statement such as

**pubarr[j]->putdata();**

to display the data from each object in the array.