main.cpp

```
#include <iostream>
#include "datetype.h"
#include "dynamicarray.h"
using namespace std;

int main()
{
    DateType d1,d2,d3,d4,d5;

    // Following DD-MM-YYYY format
    d1.Initialize(31,12,1999);
    d2.Initialize(30,12,1929);
    d3.Initialize(29,12,1929);
    d4.Initialize(1,1,2001);
    d5.Initialize(25,3,1931);


    // Creating a DynamicArray class object with size = 5 for inserting
    // five DateType objects created & initialized above
    DynamicArray da(5);

    // Inserting the DateType objects into the DynamicArray object
    da.insertItem(0,d1);
    da.insertItem(1,d2);
    da.insertItem(2,d3);
    da.insertItem(3,d4);
    da.insertItem(4,d5);


    DateType temp;

    for(int i=0;i<5;i++)
    {
        temp = da.getItem(i);
        temp.Print();
        cout<<endl; // "\n" will also do the same job here
    }

    // Now, write the rest of the code to find out the earliest date in the
   // array and print out that date

    DateType smallest = da.getItem(0); // assuming that the first DateType
                                       //object is the smallest

// Now, in the loop below, will compare with other DateType objects
// from index 1 to 4 to find the actual smallest/ earliest DateType object

    for(int i=1;i<5;i++)
    {
        if(smallest.CompareTo(da.getItem(i))== GREATER)
        {
            smallest = da.getItem(i);
        }
    }
```

```
    // Now, printing the DateType object denoted by 'smallest'

    cout<<"The Earliest date is: ";
    smallest.Print();

    return 0;
}
```