This week you use what you have learned about arrays, data serialization, cookies, sessions, and working with the file system to build a simple phone book application. Your task is to read the serialized data from the phonebook.dat file and populate a simple HTML table that is provided to you. You will not need to be able to add data to this file, only read from it.

In the zip file attached are three files:

* phonebook.dat - This files contains some phonebook data I have created for you. You will use this data for your application and will need to generate your own.
* phonebook.php - This file in the template application file. Much of the code you will need in already in here (HTML, CSS, and some essential PHP).

There where 5 multi-dimensional array entries in this data file in a [serialized](http://php.net/manual/en/function.serialize.php) format. Each entry looked something like this before serialization:

array(  
 "Name" => "John Doe",  
 "Address" => array(  
 "Street" => "123 Main St",  
 "City" => "Dover",  
 "State" => "DE",  
 "Zip" => "19904"  
 ),  
 "Phone" => "555-555-1234",  
 "Email" => "john@example.com",  
 )

Your task was to read each line of the file, [un-serialize](http://www.php.net/manual/en/function.unserialize.php) the data, loop over the array, and fill out the HTML template provided. The result is a simple phone book!

The template files above contain most of the code you need to get you started. All you need to do is:

* Open the data file
* Read each line from the file
* un-serialize the data
* Print (echo) out the data into the HTML provided in the template
* Loop to the next line and repeat the process.

**The expectations and grade rubric**

For a perfect grade: 

* The source data file is to remain unchanged.
* All 5 entries are printed to the screen in the HTML format provided.
* The application throws no errors (warnings are okay)
* No entries are hard coded in HTML (that's cheating)

**Submis sion :**

After completing your project, compress all your files (assuming there is more than one) into a single zip file. Submit this zip file through this Blackboard assignment, do not email. Below are instructions on how to compress files into a zip archive.

Windows Users -  <http://windows.microsoft.com/en-us/windows-vista/compress-and-uncompress-files-zip-files>

Mac Users -  <http://www.macinstruct.com/node/159>

**Coding Hints:**

* Search PHP.net for the following functions: fopen, fclose, file, fread, serialize, unserialize   
  These are all you really need to get the job done.