JAVASCRIPT ADDRESS BOOK LAB PART 1

Task: Build a object-oriented console address book application.

The AddressBook class:

Properties
- `contacts`: an array of Contact instances. This is initialized with a few contacts in the constructor.

Methods
- `add(info)`: Makes a new Contact instance and adds it to this AddressBook's contacts.
- `deleteAt(index)`: Removes the contact at the given array index in this AddressBook's contacts.
- `print()`: Logs all of this AddressBook's contacts to the console.

The Contact class:

Has `name`, `email`, `phone`, and `relation` properties. All four can be set by passing them into the constructor.

Build Specifications:

1. Create the AddressBook and Contact classes. Create one instance of AddressBook.
2. Write a loop to prompt the user whether they would like to add, delete, print, or quit.
   a. When the user chooses add, prompt them for the four contact properties and call the AddressBook's **add** method to add the new contact.
   b. When the user chooses delete, prompt them for the index of the contact and call the AddressBook's `deleteAt` method to remove the contact.
   c. When the user chooses print, call the AddressBook's **print** method.
   d. When they user chooses quit, end the program.

Bonus:

Add a `deleteByName` method to AddressBook and use it in the loop. `deleteByName(name)` removes the contact with the given name from this AddressBook's contacts.

Continued on next page…

Example Run:

```
> Add, Remove, Print, or Quit?  > Print
0. Einstein P: 299.792.4580 E: ein@thestein.me R: Hero
1. Euler P: 271.828.1828 E: leonhard@euler.net R: Hero

> Add, Remove, Print, or Quit?  > Add
> Name? > Jenny
> Phone? > 313.867.5309
> Email? > jenny@neverforget.com
> Relation? > Friend

> Add, Remove, Print, or Quit?  > Print
0. Einstein P: 299.792.4580 E: ein@thestein.me R: Hero
1. Euler P: 271.828.1828 E: leonhard@euler.net R: Hero
2. Jenny P: 313.867.5309 E: jenny@neverforget.com R: Friend

> Add, Remove, Print, or Quit?  > Delete
> Index to delete? > 1

> Add, Remove, Print, or Quit?  > Print
0. Einstein P: 299.792.4580 E: ein@thestein.me R: Hero
1. Jenny P: 313.867.5309 E: jenny@neverforget.com R: Friend

> Add, Remove, Print, or Quit?  > Quit
Farewell.
```