

- Open the js/main.js file.
- There will be no more than 4 global variables. 1 for the student array of objects, 1 for the button (the click event), and 2 other global variables you can use as you wish.
- Create an **array of student objects** containing 3 main properties (keys) and 3 sub properties. The 6 total properties are:
 - name
 - address (this should be an object with 3 sub properties, see below)
 1. street
 2. city
 3. state
 - GPA (this will be an array of GPA scores (grade point averages) for the student in this object)
- Example of 1 object:


```
-- {name: 'jbond', address:{address: '3300 University Blvd', city: 'Winter Park', state: 'Fl'}, gpa: [2.5, 3.5, 4.0]};
```
- In the **array of student objects** above you will need to populate it with at least 2 objects of information (fully populate all key values). The GPA field is an array so you will need to populate the array with a minimum of 3 GPA scores (see the example above).
- Console.log ALL the information in ALL objects on 3 lines.
 1. name
 2. address
 3. GPA:
 4. Example:
 1. Name: jbond
 2. Address: 3300 University Winter Park Florida
 3. GPA: [2.5, 3.5, 4.0]
- Add a new object to the array of objects above:
 - Create a function call that passes arguments for a new object. The arguments being passed would be the same data items in the already existing objects (name, address, GPA).

Example of a function call with arguments we are passing to the function:

- addData('super man', '123 Test Dr', 'Orlando', 'Florida', [3.2, 4.0, 2.2]);
- The addData function will add this new student information to the existing array of student objects, documented above.
- The new object format will be similar to the already existing objects.
- Console.log ALL the information in ALL objects on 3 lines. This should display with the new object that was just added directly above.
 1. name
 2. address
 3. GPA:
 4. Example:
 1. Name: jbond

2. Address: 3300 University Winter Park Florida
 3. GPA: [2.5, 3.5, 4.0]
- Create an onclick event on the 'Next' button which, when clicked calls a function that does the following:
 - Use JavaScript's innerHTML property to display ALL object data (one student at a time) in the HTML (like the demonstration).
 - The student's information stored in the object, should display on 4 lines.
 1. name
 2. address
 3. GPA
 4. Average GPA
 - The "Average GPA" directly above should be calculated in a separate function. The function should calculate the student's Average GPA and return the results.
 - When the last student object has been detected AND has already displayed, you will need to do the following:
 1. disable the click event
 2. change the "Next" button text to display "DONE!!!" in the button
 - There should not be any duplicate code in the main.js file. If there is, you will need to refactor the code by creating a function for the duplicate code and then calling the function when it is needed.
 - Using the **date method**, add a date to the end of each student object. When you refresh your browser, the browser should now display the date as well, for the student that is being displayed. Make sure the date displays in the console.logs data and the innerHTML.
 - Make sure to put comments throughout your code.

Extra Credit:

- Create a function that will validate the "basic" GPA format '#.##'. This function will need to run before the first console.log displays the information. If a GPA does not meet the format, just stop the program and display a console.log error message. You may NOT use regular expression for this extra credit.