

Senior Web Developer Code Screen

1. Using valid HTML5 and CSS3, create a document with a responsive three column layout. The left column should have a width of 170px and the right column should be 200px wide. The center column should fluidly expand to fill the center, but should always be at least 350px wide. When the window or device is not large enough to hold all 3 columns, the columns should each fill the entire width of the screen, left column first, center column next and right column last. The layout should work correctly in the major modern browsers (Chrome, Firefox, Safari and IE9) and in the major mobile and tablet (Android and iOS) devices.
2. Add a section with an automated 4 cells image slider changing one image at a time. You can use the above layout to add this section.
3. Can you give me some examples of real-world use cases for Google Tag Manager? Please provide a written example or examples, where you have used Google Tag Manger to deploy a third-party script on a site. What are the different types of built-in triggers available in Google Tag Manager? List all of them in the example below.
4. Create a simple HTML document that uses JQuery to make an asynchronous request (details below) to a REST api that will return a list of automobiles in JSON format. Then, display the returned cars and their properties in a list inside a <div> with the id "carList". Order the cars by their mpg, descending. Do not make the request until after the page has loaded.

Request URL: example.com/automobile/list

example Response:

```
{
  automobiles:[
    {"mpg":25, "price":11000, "name":"Small"},
    {"mpg":16, "price":36400, "name":"Sports"},
    {"mpg":25, "price":16500, "name":"Compact"},
    {"mpg":22, "price":72000, "name":"Luxury"}
  ]
}
```