

# Adding HTML content dynamically by innerHTML

When you assign ID for HTML entity for <p> tag or <div> tag, we can dynamically update its content. You can find the object by **getElementById()**, and do the necessary actions into **innerHTML**. For instance, you can do it like `document.getElementById( "element_id").innerHTML = "hello, world!"`;

Like I mentioned above, the way of coding is super simple.

- 1) Assign ID for HTML entity
- 2) Put necessary action using `getElementById( entity_name ).innerHTML = blah blah...`

Below example shows how to update internal content dynamically.

## inner\_html\_demo.html

```
<html>
  <!-- Programmed by Chun Kang -->
  <head>
    <title>Inner HTML Test 1</title>
  </head>
  <script>
    function addContent(element_id, strContent)
    {
      document.getElementById( element_id).innerHTML += strContent;
    }
    function clearContent(element_id)
    {
      document.getElementById( element_id).innerHTML = "";
    }
  </script>
  <body>
    <p id="test1">Initial content...</p>
    <input type=button onclick="javascript:addContent('test1','<br>Hello Venus!');" value="Hello Venus!"
  ><br>
    <input type=button onclick="javascript:addContent('test1','<br>Hello Robo!');" value="Hello Robo!"><br>
    <input type=button onclick="javascript:clearContent('test1');" value="Clear"><br>
  </body>
</html>
```