

Javascript

In-class exercise 8

1. W3C school (<https://www.w3schools.com/>)
2. Loop: while, do...while, for

Counter-controlled vs. sentinel-controlled repetition

3. break vs. continue

break: terminate the entire loop

continue: skip one round of a loop

Try: What would the browser display if it executed the following script?

```
<script>
  for ( var count = 1; count <= 10; count++ ) {
    if ( count == 5 )
      break;
    document.write( count+"<br/>" );
  }
</script>
```

//How about change the “**break**” to “**continue**”?

- (0) Import the js file I provided. In the js file, one string is initialized and it should contain over 200 the most common male baby names in the UK.
- (1) Split the string into an Array with all the names.
- (2) Create a dropdown list contains all the names and give each name a sequential number.



- (3) While pressing the select button, the page should create a pyramid with all the names, and the selected name should be highlighted with any color of your choice.

13 Michael		Select
David		
John	Paul	
Mark	James	Andrew
Scott	Steven	Robert
William	Craig	Michael
Alan	Colin	Brian
Derek	Martin	Thomas
Iain	Gordon	Alexander
Kenneth	Allan	Simon
Jonathan	Gavin	Nicholas
Garry	Malcolm	Charles
Bruce	Patrick	Alastair
Calum	Alasdair	Robin
Adrian	Gregor	Samuel
Liam	Niall	Rory
Ben	Kieran	Kyle
Aidan	Josh	Jake
Finlay	Ethan	Ronan
Lucas	Evan	Kian
Jayden	Zak	Hayden
Blake	Shay	Callan
		Stephen
		Stuart
		Christopher
		Gary
		Richard
		Jason
		Darren
		Graham
		George
		Grant
		Ross
		Donald
		Fraser
		Ryan
		Ewan
		Matthew
		Philip
		Ronald
		Gerard
		Sean
		Wayne
		Adam
		Dean
		Eric
		Dale
		Jordan
		Greg
		Timothy
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