

Shell

- Using the pseudocode given
- Created a gap function
 - If the size is less than 2, return the size -1
 - If the size is less than 0 return 0
 - Else follow the eqn from the pseudocode and return $\text{size} * 5 \text{ floor division of } 11$
- Shell sort fcn
 - Create a for loop that goes through the gap function for every step
 - Create another for loop with i that starts at step and ends at the length of the array
 - Create another loop with j that starts at i, stops at step-1 and increments by -step everytime
 - Check if $a[j] < a[j-\text{step}]$
 - Is it is switch them