**pseudocode**

main function:

1. declare a prototype for arrayExpand function as int type
2. declare a constant SIZE=10, and declare an int array arr[] as this size
3. declare a pointer ptr point to arr
4. use for loop to output the original array
5. compile the arrayExpand function
6. use for loop to output the new array

arrayExpand function:

1. declare a pointer sizeExpand point to the new size
2. use for loop to copy the data from the original array arr[]
3. use for loop to initialize other data as 0
4. return the new array as double size