```cpp
/*****************************************************************************
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 * CLASS      : CS1B
 * SECTION    : MW 7:30pm
 * Lab #5     : Binary Search
 * DUE DATE   : 24 September 2019

*****************************************************************************
 * ArraySort
 *
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 * This function will sort the array from the smaller number to the bigger
 *  numbers.

*****************************************************************************/

#include "MyHeader.h"

void ArraySort(int numAr[], const int AR_SIZE)
{
    int i;          //Calc - index to go through array
    int j;          //Calc - index to go through array
    int tempNum;//Calc - store value to replace

    //SORTS THE ARRAY
    for(i = 1; i < AR_SIZE; i++)
    {
        tempNum = numAr[i];

        j = i - 1;

        while (j >= 0 && numAr[j] > tempNum)
        {
            numAr[j + 1] = numAr[j];

            j = j - 1;
        } // END - While

```

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37          numAr[j + 1] = tempNum;
38
39      } // End - For
40
41  }
42
```