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

*****************************************************************************
 * ArraySequentialSearch
 *
 ----------------------------------------------------------------------------
 * This function will look for the user's given number in our array through
 *  sequential search and checks to see if it exits, then it will return the
 *  location of that number as an index. if it does not exists it will return
 *   -1 as an sensitive value.

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

#include "MyHeader.h"

int ArraySequentialSearch(int numAr[], const int AR_SIZE, int searchNum)
{

    int index;          //Calc & Output - index to go through the loop
    bool searchStat;//Calc - bool to check if find the value or no

    //INITIALIZATION

    index = 0;
    searchStat = false;

    //SEQUENTIAL SEARCH

    while(!searchStat && index < AR_SIZE)
```

```
33      {
34
35          if(searchNum == numAr[index])
36          {
37              searchStat = true;
38          }
39
40          else
41          {
42              index++;
43          }
44
45      } //END - WHILE
46
47      //IF NOT FOUND IN ARRAY
48
49      if(!searchStat)
50      {
51          index = -1;
52      }
53
54
55      return index;
56  }
57
58
59
60
```