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1  /*
2     Nguyen, Frank
3     Song, Jung Hoon
4     Diep, Vu
5     Vuong, Anh
6     Zhao, Xiangjun
7
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9
10    CS 250
11    Assignment 01 - Array Duplicates
12  */
13
14  #ifndef FUNCTION_H
15  #define FUNCTION_H
16
17  // Definition function deleteDuplicates
18  void deleteDuplicates(int a[], int& numElements)
19  {
20      for (size_t i = 0; i < numElements; i++)
21      {
22          for (size_t j = (i + 1); j < numElements; j++)
23          {
24              if (a[i] == a[j])
25              {
26                  for (size_t k = j; k < (numElements - 1); k++)
27                      a[k] = a[k + 1];
28                  numElements--;
29                  j--;
30              }
31          }
32      }
33  }
34
35  // Definition function printArray
36  void printArray(const int a[], int numElements)
37  {
38      if (numElements == 0)
39          cout << "Array is empty.";
40      for (size_t i = 0; i < numElements; i++)
41          cout << a[i] << ' ';
42  }
43
44  #endif
```