```
// This program is a driver that tests a function comparing the
// contents of two int arrays.
#include <iostream>
using namespace std;

// Function Prototype
bool testPIN(const int [], const int [], int);

int main ()
{
   const int NUM_DIGITS = 7; // Number of digits in a PIN
   int pin1[NUM_DIGITS] = {2, 4, 1, 8, 7, 9, 0}; // Base set of values.
   int pin2[NUM_DIGITS] = {2, 4, 6, 8, 7, 9, 0}; // Only 1 element is
                                                 // different from pin1.
   int pin3[NUM_DIGITS] = {1, 2, 3, 4, 5, 6, 7}; // All elements are
                                                 // different from pin1.
   if (testPIN(pin1, pin2, NUM_DIGITS))
      cout << "ERROR: pin1 and pin2 report to be the same.\n";
   else
      cout << "SUCCESS: pin1 and pin2 are different.\n";

   if (testPIN(pin1, pin3, NUM_DIGITS))
      cout << "ERROR: pin1 and pin3 report to be the same.\n";
   else
      cout << "SUCCESS: pin1 and pin3 are different.\n";

   if (testPIN(pin1, pin1, NUM_DIGITS))
      cout << "SUCCESS: pin1 and pin1 report to be the same.\n";
   else
      cout << "ERROR: pin1 and pin1 report to be different.\n";
   return 0;
}

//*************************************************************
// The following function accepts two int arrays. The arrays are   *
// compared. If they contain the same values, true is returned.    *
// If the contain different values, false is returned.             *
//*************************************************************

bool testPIN(const int custPIN[], const int databasePIN[], int size)
{
   for (int index = 0; index < size; index++)
   {
      if (custPIN[index] != databasePIN[index])
         return false; // We've found two different values.
   }
   return true; // If we make it this far, the values are the same.
}
```