**src/main.cpp**

```cpp
1   // Title  : main.cpp
2   // Desc   : for testing
3   // Name   : An Tran
4
5   #include "useArray.h"
6   #include "printStars.h"
7   #include <ctime>
8   #include <iostream>
9
10  int main(){
11      // Testing array
12      srand (time(NULL));
13      std::array<int, MAX_SIZE> myArray;
14      int size = howMany();
15      fillArray(myArray, size);
16      printArray(myArray, size);
17      if (dupeCheck(myArray, size)){
18          std::cout << "No duplicates found \n";
19      } else {
20          std::cout << "Duplicates found \n";
21      };
22      printArray(myArray, size);
23      sortArray(myArray, size);
24      printArray(myArray, size);
25
26      // Testing stars
27      size_t numberRange = getNumberRange();
28      size_t numberSize = getNumberSize();
29      std::vector<int> myVector;
30      fillVector(myVector, numberRange, numberSize);
31      printStars(myVector);
32      return 0;
33  };
34
```