Lesson 22 Practice 4

In this lesson we have numbers in a vector called **x**, and numbers in a vector called **y.** We want to sum them in a vector called **z**.

The program will be as follows:

```cpp
#include<iostream>
#include<vector>
using namespace std;

int main() {
vector<int>x{ 10,15,13,6,4,3,5 };
vector<int>y{ 2,4,6,8,20,16,9 };
loop:
int z, found = 0;
cout << "Enter a number: ";
cin >> z;
for (int i = 0; i < x.size(); i++)
for (int j = 0; j < y.size(); j++)
if (x[i] + y[j] == z) {
cout << "Yes\n";
cout << x[i] << " " << y[j]<<endl;
found = 1;
```

```
}
cout << (found ? "" : "No\n");
goto loop;
}
```