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#include <iostream>

using namespace std;

int main()
{
	// declare an array of integers of size 10
	// the array is called highScores
	int highScores[10];

	//assign values to each element of the array
	highScores[0] = 11;
	highScores[1] = 6;
	highScores[2] = 8;
	highScores[3] = 1110;
	highScores[4] = 33;
	highScores[5] = 77;
	highScores[6] = 45;
	highScores[7] = 121;
	highScores[8] = 13;
	highScores[9] = 52;

	// 1. update the fifth array element to have the value of 99
	// write a new line of code , do not change the values above!

	cout << highScores[5] + 22;
	int answer = highScores[5] + 22;
	cout << "The answer of the highScore[5] is: " << answer << endl;

	// 2. update the value of the array element with index 8 to a value
of 17

	cout << highScores[8] + 4;
	int ans = highScores[8] + 4;
	cout << "The answer of the highScore[8] is: " << ans << endl;

	// 3. use a for loop to output a table of values to see if your
changes took effect
	// output the index of each array element on the left,
	// and the value of each array element on the right

	for (int highScore[5]; highScore[5] < 25; highScore[5]++) {
		for (int highScore[8]; highScore[8] < 25; highScore[8]++) {

			cout << highScore[5]++;
			cout << highScore[8]++;

		}
```

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	}
	// 4. use a for loop to search the array and if the value of the
array element
	// is divisible by 11, then output the value to the screen (output
the values in a column)

	for (int highScore[5]; highScore[5] < 25; highScore[5]++) {
		for (int highScore[8]; highScore[8] < 25; highScore[8]++) {

			if (highScore[5] % 11 = true) {
				cout << "The value is: " << highScore[5] << endl;
			}
			else if(highScore[5] % 11 = false) {

			}

			if (highScore[8] % 11 = true) {
				cout << "The value is: " << highScore[8] << endl;

			}
			else if(highScore[8] % 11=false) {

			}
		}
	}

	return 0;
}
```