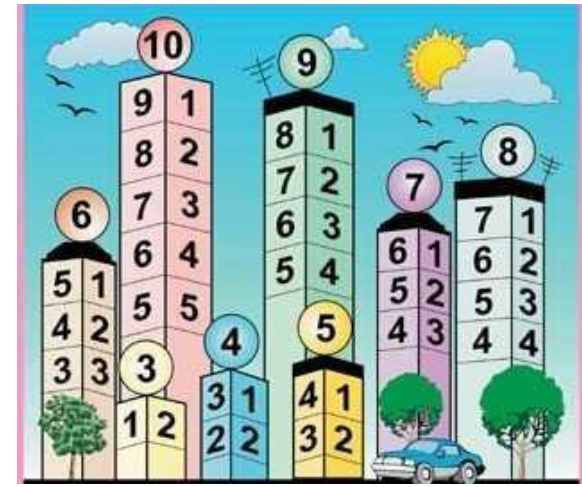


*Find the second largest element after the maximum in an array*

*example*

*8 324 43534 412 34 43534 6*

*answer 412*



11 -3 -4 3 -3 -65

```
void searchArray(int arr[], int length) {
    int secondMaxNum = arr[length - 1]; // have to define any number in array other than arr[0]
    int maxNum = arr[0];                // has to be defined as arr[0] (or make sure these variables are different)
    for (int i = 0; i < length; i++) {
        if (arr[i] > maxNum) {
            secondMaxNum = maxNum;
            maxNum = arr[i];
        }
        else if (arr[i] > secondMaxNum && arr[i] < maxNum) {
            secondMaxNum = arr[i];
        }
    }
    std::cout << secondMaxNum << " is the second largest number in the array." << std::endl;
}
```