The following program prompts the user for 50 ints and reads them into a vector. The largest element is then returned by the call to max(). Both main and getNums have been completed for you. Your job is to write the max function (remember also to add the forward declaration!).

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

void getNums(vector<int>& nums);

// FORWARD DECLARATION FOR max GOES HERE

int main() {
  vector<int> nums(0);

  getNums(nums);

  int biggest = max(nums);
  cout << biggest << endl;

  return 0;
}

// DEFINITION of max GOES HERE
```

// getNums is on the next page -- Only the comments are relevant to you
void getNums(vector<int>& nums) {
    /*
       SUMMARY: prompts user repeatedly for int values, until the user indicates
                that she is done. Reads each value into nums
       SIDE-EFFECTS: The cells in nums are modified to hold the user-supplied
                     int values. The size of nums is set to be exactly equal to the number
                     of ints entered..
    */

    char done = 'n';
    int i = 0;

    while (done == 'n') {
        cout << "--> ";
        if (i >= nums.size())
            nums.resize(i + 10);
        cin >> nums[i];
        i++;

        cout << "Done? (y/n) ";
        cin >> done;
        cin.ignore(80,'\n');
    }

    nums.resize(i);
}