```
2> c("lab02.erl").
    {ok,lab02}
    3> lab02:isGreater({ 2, 40, 300}, {2, 40, 100}).
    true
    4> lab02:isGreater({ 2, 40, 100}, {2, 40, 100}).
    false
    5> lab02:isGreater({ 1, 40, 100}, {2, 40, 100}).
    false
    6>
    6> lab02:intersection({5,5,10,9}, {0,5}).
   false
   7> lab02:intersection({-5,5,10,9}, {-1,3}).
   true
   8> lab02:intersection({-5,-5,10,9}, {-3,-3}).
   true
   >> lab02:intersections({-5,-5,10,9}, [{0, 5}, {2, 2}, {-10, -10}, {1, 1}]).
   {outside, {0,5}},
{outside, {2,2}},
{outside, {-10,-10}},
{outside, {-11,-10}},
{outside, {1,1}}]
0> lab02:intersections({5,5,10,9}, [{0, 5}, {2, 2}, {-10, -10}, {1, 1}]).
   {outside, {0,5}},
{inside, {2,2}},
{outside, {-10,-10}},
{inside, {1,1}}]
.1> lab02:intersections({3,5,10,9}, [{0, 5}, {2, 2}, {-10, -10}, {1, 1}]).
   {inside, {0,5}},
{inside, {2,2}},
{outside, {-10,-10}},
{inside, {1,1}}]
      > lab02:intersectionPartition({3,5,10,9}, [{0, 5}, {2, 2}, {-10, -10}, {1, 1}]).
    {[{1,1},{2,2},{0,5}],[{-10,-10}]}
13> lab02:intersectionPartition({5,5,10,9}, [{0, 5}, {2, 2}, {-10, -10}, {1, 1}]).
  {[{1,1},{2,2}],[{-10,-10},{0,5}]}
14> lab02:intersectionPartition({-5,-5,10,9}, [{0, 5}, {2, 2}, {-10, -10}, {1, 1}]).
   {[],[{1,1},{-10,-10},{2,2},{0,5}]}
    15> lab02:modEach([4, 9, -13], 4).
    [0,1,-1]
16> lab02:modEach([3, 4, 9, -13], 2).
  [1,0,1,-1]
17> lab02:modEach([3, 4, 9, -13], 6).
   [3,4,3,-1]
    18> lab02:removeMods([2, 3, 6], 2).
    [3]
    19> lab02:removeMods([2, 4, 6], 2).
    20> lab02:removeMods([2,2,2, 4, 6], 2)
    21> lab02:modEachAndRemoveMods([2, 3, 6, -1], 2).
    [1,-1]
    22> lab02:modEachAndRemoveMods([3, 3, 67, -1], 2).
<sup>7</sup> [1,1,1,-1]
   23> lab02:modEachAndRemoveMods([4, 0, 66, -4], 2).
  28> lab02:calculateCost([{apple, 0.99, 10, 0.1}, {banana, 1.99, 10, 0.1}])
[{apple,10,10.89},{banana,10,21.8899999999997}]
29> lab02:calculateCost([{apple, 0.99, 10, 0.1}, {candy, 0.01, 10, 0.5}]).
[{apple,10,10.89},{candy,10,0.1500000000000002}]
30> lab02:calculateCost([{apple, 0.99, 10, 0.1}]).
                                                                       {banana, 1.99, 10, 0.1}]).
   [{apple,10,10.89}]
```

```
32> lab02:calculateTotalCost([{apple, 10, 10.89}]).
      {10,10.89}
     33> lab02:calculateTotalCost([{apple, 10, 10.89}, {banana, 10, 5}]).
{20,15.89}
34> lab02:calculateTotalCost([{apple, 10, 10.89}, {banana, 10, 5}, {chicken, 2, 9.99}]).
      {22,25.880000000000003}
     35>
    36> lab02:calculateTotalCost(lab02:calculateCost([{apple, 0.99, 10, 0.1}, {banana, 0.99, 6, 0.1}, {water, 0.99, 32, 0.1}
     , {cheese, 1.99, 2, 0.1}, {yogurt, 3.99, 1, 0.1}])).
{51,61.039}
    37> lab02:calculateTotalCost(lab02:calculateCost([{apple, 0.99, 10, 0.1}, {banana, 0.99, 6, 0.1}, {water, 0.99, 32, 0.1}, {cheese, 1.99, 2, 0.1}, {yogurt, 3.99, 1, 0.1}, {gum, 1.00, 2, 0.1}])).

{53,63.239000000000000004}
    38> lab02:calculateTotalCost(lab02:calculateCost([{apple, 0.99, 10, 0.1}, {banana, 0.99, 6, 0.1}, {water, 0.99, 32, 0.1}, {cheese, 1.99, 2, 0.1}, {yogurt, 3.99, 1, 0.1}, {gum, 1.00, 2, 0.1}, {bread, 6.99, 1, 0.1}])).
     39>
    39> lab02:myMinMax([]).
    empty_list
40> lab02:myMinMax([1,2,3,4,5]).
11. {1,5}
41> lab02:myMinMax([1,-3,-3,4,5]).
    {-3,5}
42> lab02:myMinMax([1,-3,-3,14,5]).
    \{-3,14\}
    43> lab02:getLastIndex([1, abc, 4, xyz, 7, abc], abc).
    44> lab02:getLastIndex([1, abc, 4, xyz, 7], abc).
12.
    45> lab02:getLastIndex([1, 4, xyz, 7], abc).
```

46> lab02:labTwo().
LEADER: Jonathan's contribution was 34.0%
Caleb's contribution was 33.0%
Terence's contribution was 33.0%
done

no\_such\_element