

```
l = [1, 2, 3, 4, 5, 6]
```

```
function foo(a, b) {  
  if (a > b) {  
    return a;  
  }  
  return b;  
}
```

```
x = reduce(l, foo);
```

```
function reduce(list, f) {  
  magic = list[0];  
  for (int i = 1; i < list.length(); i++) {  
    magic = f(magic, list[i]);  
  }  
  return magic;  
}
```