Lab 2

(1) We're going to begin our study of Divide-and-Conquer algorithms
with Binary Search. It's now time to visit algorithm 1.5 that we
skipped last week. Write algorithms 1.5 and 2.1 in Python.

(2) Next we're going to study the classic sorting algorithm Mergesort.
Write algorithms 2.2 and 2.3 in Python.

Try to express these algorithms as naturally as possible in Python.
The clarity of Python can help us understand what's going on if we
choose to use it.