1. List the members of your group below. Underline your name.

2. Describe, in your own words, the *essence* of the *top-down* insertion algorithm for *red-black trees* (approx. 100 words). Depict the red-black tree resulting from the sequential insertion of
$$1, 2, 3, \ldots, 10, 20, 19, \ldots, 11$$
into an empty tree, using top-down insertion. All intermediate trees need not be depicted, but it is advisable to depict at least a few.

[additional space for answering the earlier question]

3. Delete each of the following keys (in given order) from the final tree of Question **??**. Depict the state of the tree before and after each transformation required by the deletions.

$$9, 3, 1$$

4. Provide succint Java code for *selection sorting* an array of integers.