SPLAY TREES

Question-1

Define *splaying*. How do the operations *insertion*, *searching* and *deletion* in a binary search tree differ from those in splay trees?

[4]

Question-2

Given a splay tree with pre-order traversal {50, 30, 10, 20, 15, 40, 60, 90, 70, 100}. In this tree, perform the following operations in series:

1) Insert 80
2) Search 50
3) Insert 35
4) Delete 75 (bottom-up approach)
5) Search 5
6) Delete 100 (top-down approach)

[6]

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