



مهم جدأ

هذا الملف للمراجعة السريعة واخذ الملاحظات عليه فقط ،لانه يحتوي على اقل من 20٪ مما يتم شرحه في الفيديوهات الاستعجال والاعتماد عليه فقط سوف يجعلك تخسر كميه معلومات وخبرات كثيره

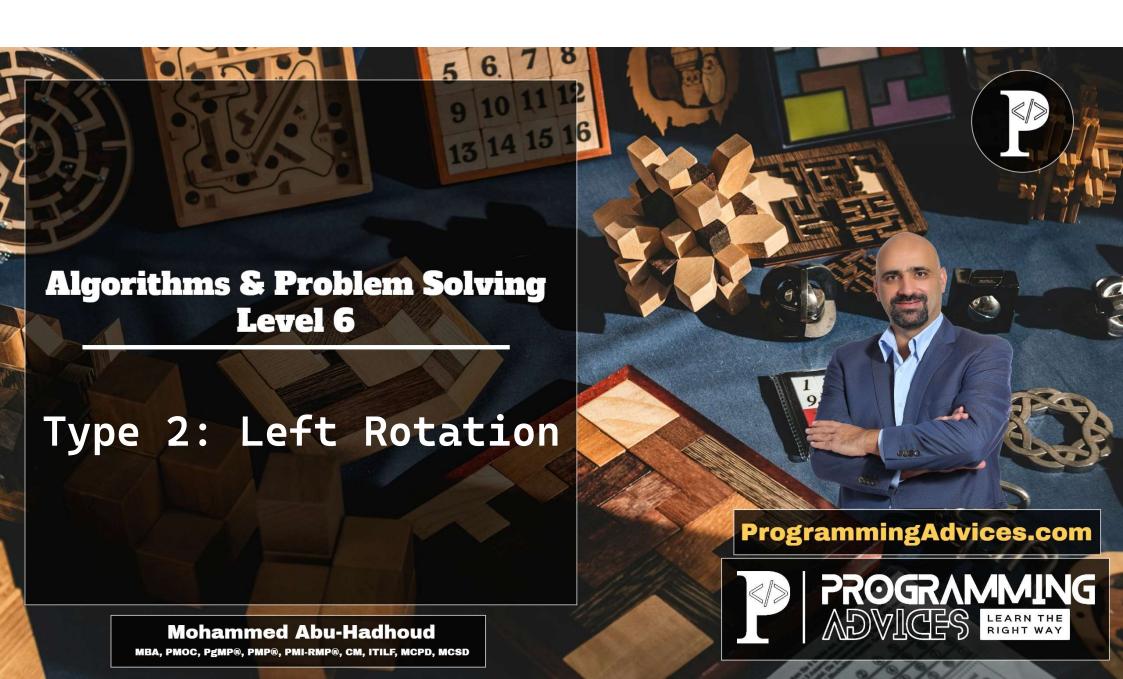
يجب عليك مشاهدة فيديو الدرس كاملا

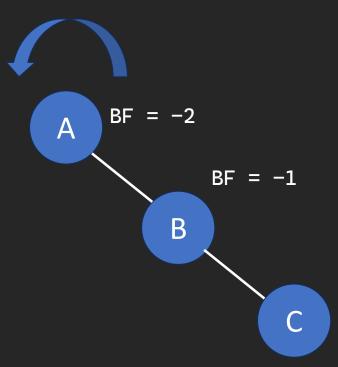
لاتنسى عمل لايك ومشاركة القناة لتعم الفائدة للجميع لا تنسونا من دعائكم

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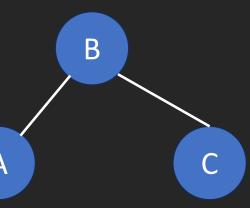




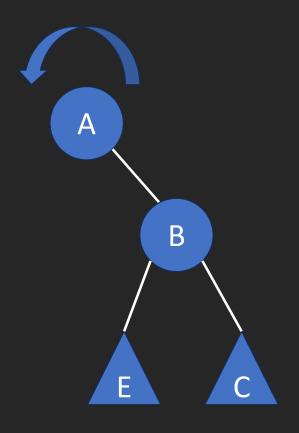
Left Rotation

Used when a node becomes too Right-heavy (balance factor of -2), particularly when its right child has a balance factor of -1 or 0

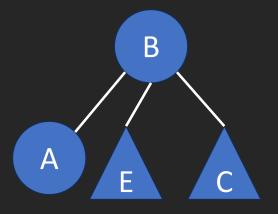
- The right child of the node becomes the new root of the subtree.
- The original root node becomes the left child of the new root.



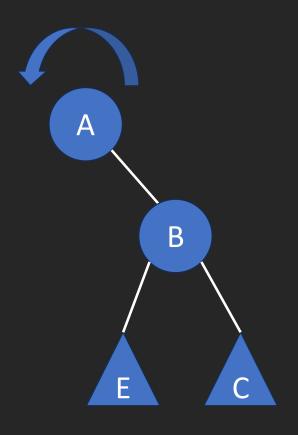




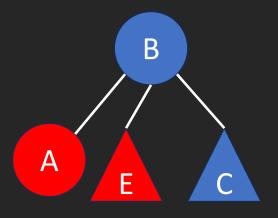
Left Rotation



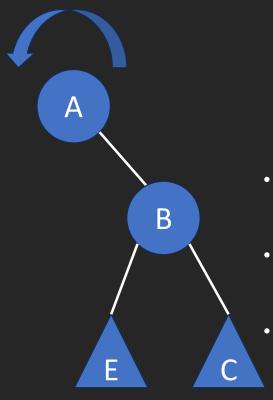




Left Rotation







Left Rotation

- The right child of the node becomes the new root of the subtree.
- The original root node becomes the left child of the new root.
- If the new root already had a left child, it becomes the right child of the new right child (the original root).

