Proje 1: \* [22,27,16,2,18,6] 1) Inscrtion sort asamalari: [22, 27, 16, 2, 18, 6] first Lowest case is 2 [2,27,16,22,18,6]
[2,6,16,22,18,27] 2nd lowest case is 6 3<sup>rd</sup> lowest case 16 Rids in right order [2,6,16,18,22,27] Lowest case is 18 5th Lowest case 22 & its in right order Final sorting: [2,6,16,18,22,27] 2) Big O(n2) comes from n2+n which has worse case = 36+6-21 3) Sorting has average case 4) 18 is included in 4th case

\* First 4 cases of insertion sorting [7,3,5,8,2,9,4,15,6] 1st lowest case is 2 (1 step) [2,3,5,8,7,9,4,15,6] 2<sup>nd</sup> Lowest case is 3 R, its in rig 3<sup>rd</sup> Lowest coese is 4 (3 step) [2,3,4,8,7,9,5,15,6] 4th lowest case is 5 (4 step) [2,3,4,5,7,3,8,15,6]