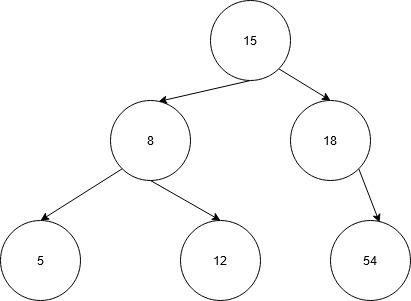
**Problem statement:**

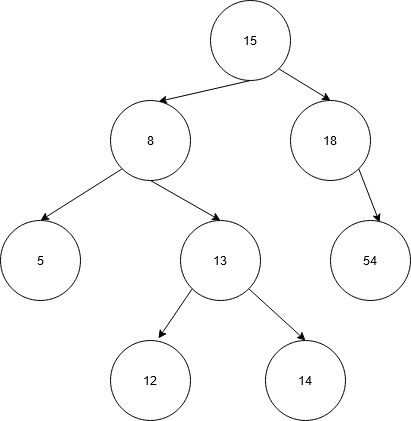
**You are required to construct AVL tree from the following data:**

**15,18,12, 8,54,5,14,13,9,61,20,17,21**

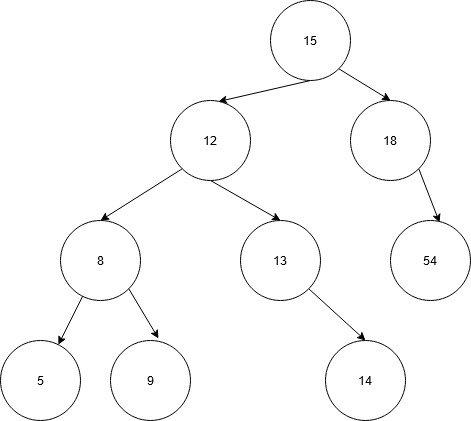
**By inserting (5) and single right rotation following shape will be form:**



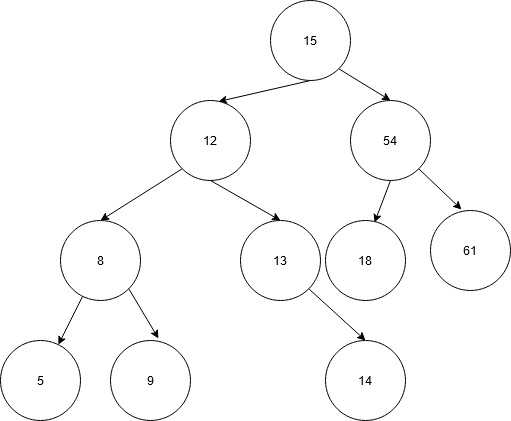
**By inserting 13 and rotation following shape will be form:**



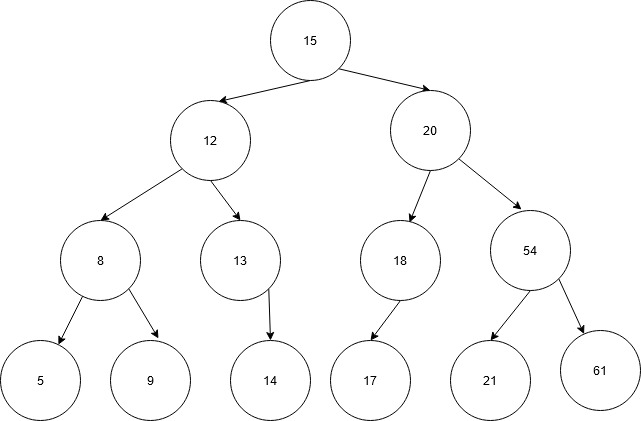
**By inserting 9 and rotation following shape will be form:**



**By inserting 61 and rotation following shape will be form:**



**By inserting 21 and rotation following shape will be form:**

****

**FINAL DIAGRAM**