Red Black Tree

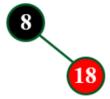
Dr. Ram Kishan Dewangan Assistant Professor, DECE TIET Patiala Create a RED BLACK Tree by inserting following sequence of number 8, 18, 5, 15, 17, 25, 40 & 80.

insert (8)

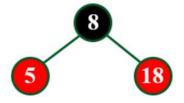
Tree is Empty. So insert newNode as Root node with black color.



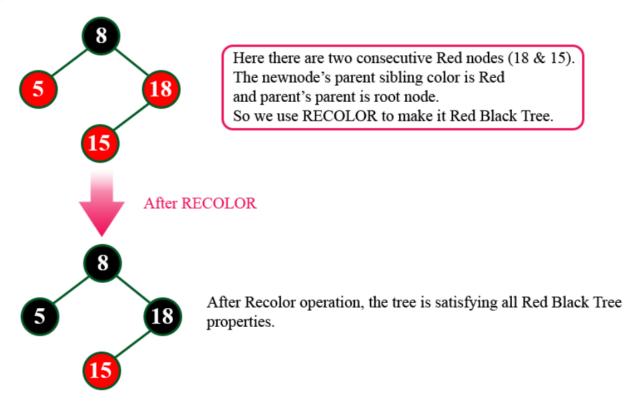
insert (18)



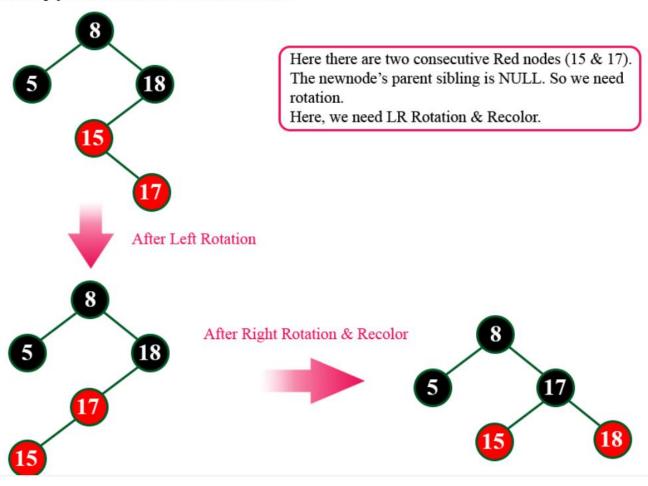
insert (5)



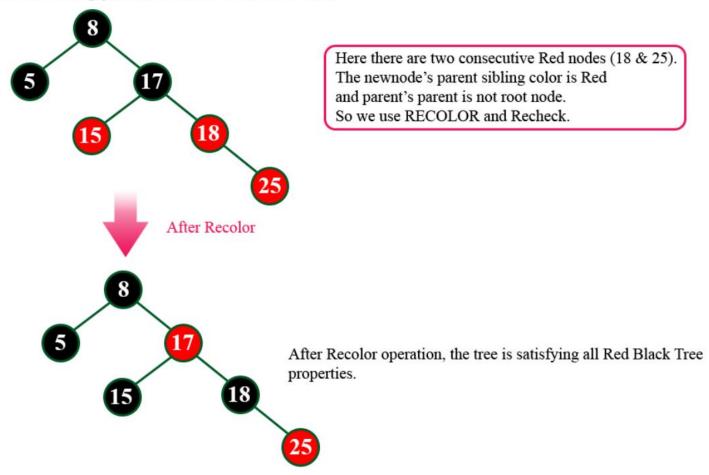
insert (15)



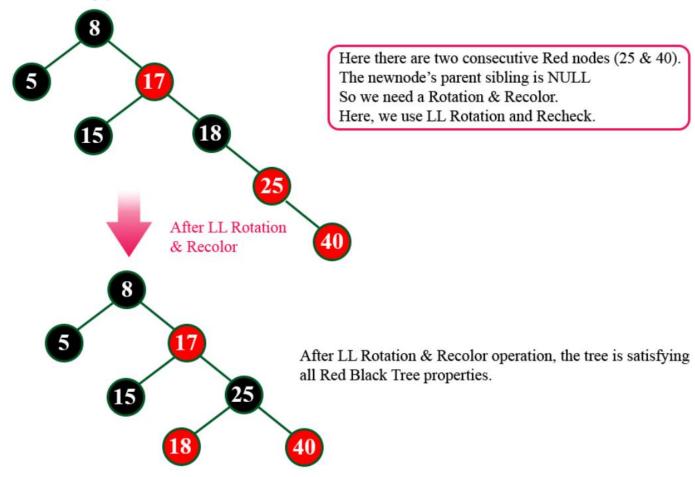
insert (17)



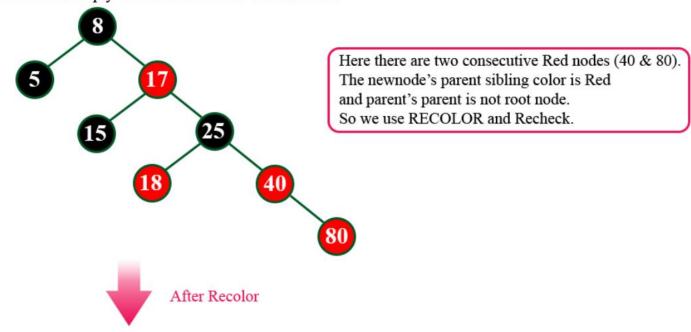
insert (25)

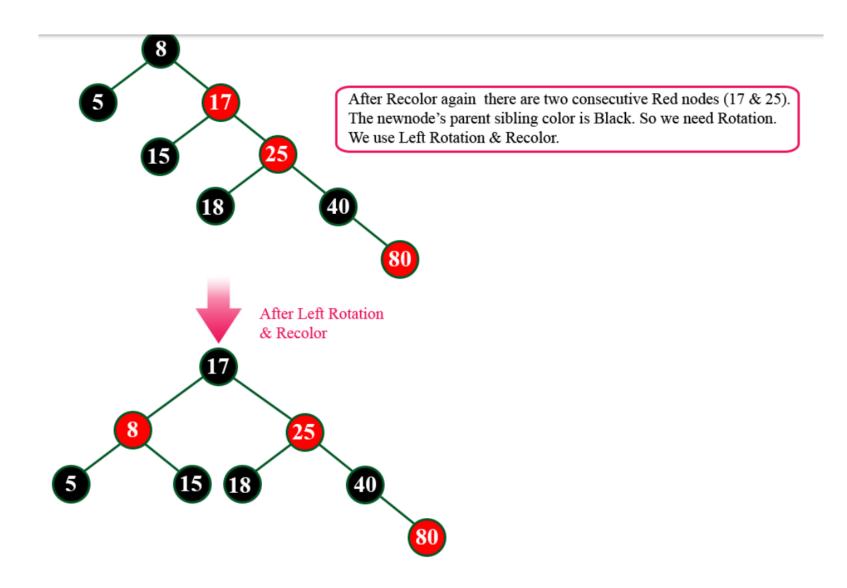


insert (40)



insert (80)





Finally above tree is satisfying all the properties of Red Black Tree and it is a perfect Red Black tree.