Insert (data) {

create new nodes with the data and color as rid.

normal BST insertion.

get the parent node of new node get its grand parent node also

if parent node is let child of grand parent and unde node is a red colored node then change color of grand parent to ved and parent's color to black, Change uncle node color also to black.

if mode is right child of parent then rotate left the parent node newnode becomes the parent and parent becomes neconodes parent.

> else notate night the grand parent node exchange the colors of parent and grand parent

else

if uncle is red colored

of change grand parents color to red.

change parent's and uncle's color to black.

if newnode is left child rotate right the parent and newnode is new parent.

rotate left the grand parent exchange colors of parent and grand parent.