```
void RBTree: Disset C'ent data)
    Node *pt = new Nade Clata);
      root = BSTPuset Coot, pt);
  g fix Violetian (noat, pt);
 word fix Voilation (Nade + & root, Mode + & pt)
     Node * grand-parent-pt = NULL;
      while (Cpt!= und (pt > color) = BLACK) and (pt > parent > color)
       parent-pt = pt > parent;
grandfarent pt = pt > parent > parent;
         if Genest-pt = - grandfarent-pt - left)
            Node * unde gt = grand-parent pt -> vight;
            if (unde pt; = NVIL & & conclept -> colour == RED)
                    grandforent pt->color=RED;
concle-pt->color-point-pt->color=BLACK;
```

Expt. No.	Date
Exp. 110.	Page No.
pt = grand-basent bt.	
Pt = grand-parent ft;	
else	
if (pt = = farent-ft > oright)	N
untatibult (part) au + 1+).	
pt = farent pt;	
parent-pt=pt>parent;	
3'	
	A
eralate Right Corod, grand-parent pt	
erelate Right Cured, grand-parent pt www.ap C parent pt > color, gran pt = parent-pt;	a-facut pt -> colour);
To = farm-gt;	
8	E 57 1/2 20
else	
£	
Nade * uncli-pt = grand-parent pt	≥lift;
if (Cand pt o = NUIL) and Cus	unli-pt = colour = = PED)
parent pt > color = BLACK; unch pt > color = BLACK;	
unch - pt > colour = BLACK;	
1 22 1 1 2 1 1	

Teacher's Signature : _____

telu if Cot == parent- get > elet) pt = parent pt;

parent pt > parent;

g eretate left Ciract, grand parent pt);
swap Charent pt - color, grand parent pt. - color); pt=parent-pb; root-> whom> Black;