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BHOIHITH GAGAN
1BM18(1014
28/10/2020
```

. ADI LAB-6

```
Inception 2-3 TREE :
    roid Tree: inset (int ) {
           if ( root == aur) +
                 root = new Treenode (mue):
                  roof a bey CoJ = K;
                  130t - N=1:
              else f
                 if ( root -> N==3) 1
                        Tree Node == new Tree Node (folso) =
                         : toon = Co3 proot :
                         c - 1919thild (0, root).
                         1 x 1=0 0
                        if (3-> key lo]( ) it;
                      S -> child C: ] - invo Hantun (k);
                        g else
                            cooked "interfrontull (E);
TRAVERSAL :
     void Treewoode :: Treweral () 1
                   Cout as " \" "
                    200 1
                     to: (1=0; 120; 1+)+
                          if liest == tolic) child(i) ~ traver ();
```

Cont 22" " 22 key, C:];

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BHUHHTH GAGAN
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```
if (leaf = : false)
                   Charles ] -> traverse ():
                  Course " /";
Dereron:
void Trendode::.emove (int k) {
               Put Pax = frakey (k);
                of (idn en servey (idn) ==+)}
                          it (leat) remove-trouslest (ign)?
                           else conorchamantent (idas);
                    z
                  else t
                      ?1 (leat) {
                             Course "The key doesn't exist /"".
                             thurn;
            bool flags ((id n == a)) true : false);
                et (orid [:912] -> U 55) the (92);
                it (flag 22 id & 20) child Cid & - 17 m remove (k);
               elic (Wild Lida) - remove (M);
                return ;
```