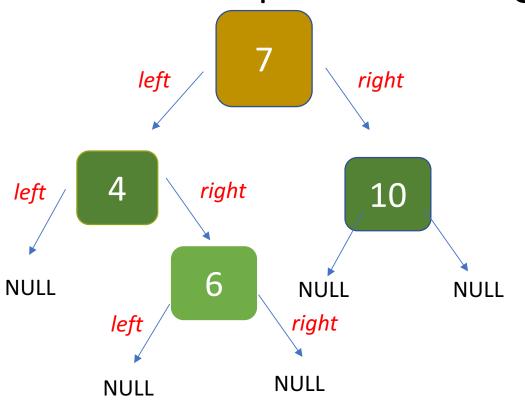
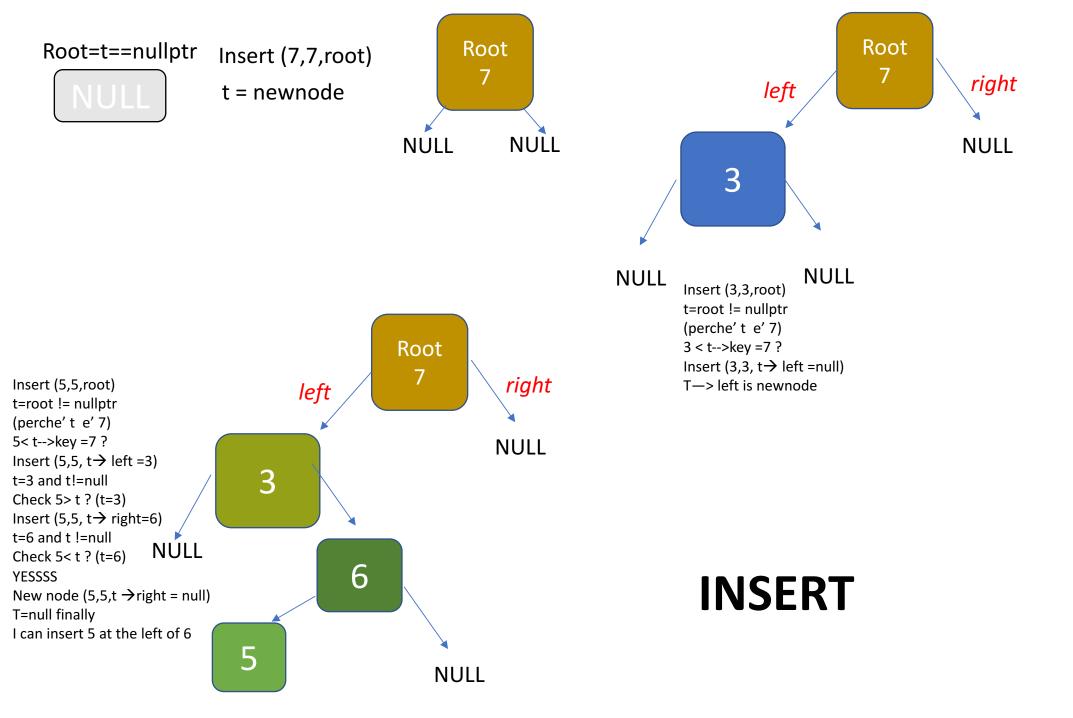
Functions

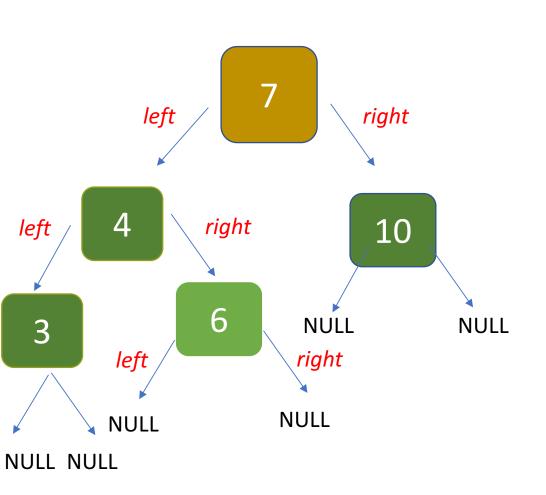
DELETE prima defoglio poi stacco la root



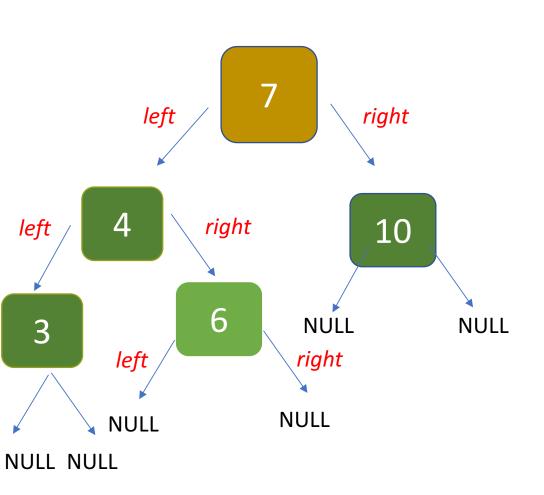
```
Clear (root=7)
            { clear (7 --> left) che e' 4
               { clear (4 --> left) che e' NULL
                                                      return
                 clear (4--> right) che e' 6
                    { clear (6 --> left) che e' NULL
                    clear (6--> right) che e' NULL
                    delete 6 }
                  delete 4}
              clear (7-->right) che' 10
                   clear (10 --> left) che e' NULL
                                                     return
                   clear (10 --> right) che e' NULL
                   delete 10}
             delete 7}
```



Print in order



```
Inorder (root)=inorder(7)
inorder (7)
          { inorder(7 --> left) che e' 4
             { inorder (4 --> left) che e' 3
              t=3
                      inorder (3--> left) che e' NULL
                      t=NULL
                      return;
                      cout << 3
                      inorder (3-->right)
                      t=NULL
                      return;
               cout << 4 __
               inorder (4\rightarrow right) che e' 6
               t=6
                       inorder( 6--> left) che e' NULL
                       cout << 6
                       inorder( 6--> right) che e' NULL return
            cout << 7 —
            inorder (7--> right) che e' 10
               t = 10
                inorder (10 →left) che e' NULL > return
                cout << 10 ecc... ___
                                                                  10
```



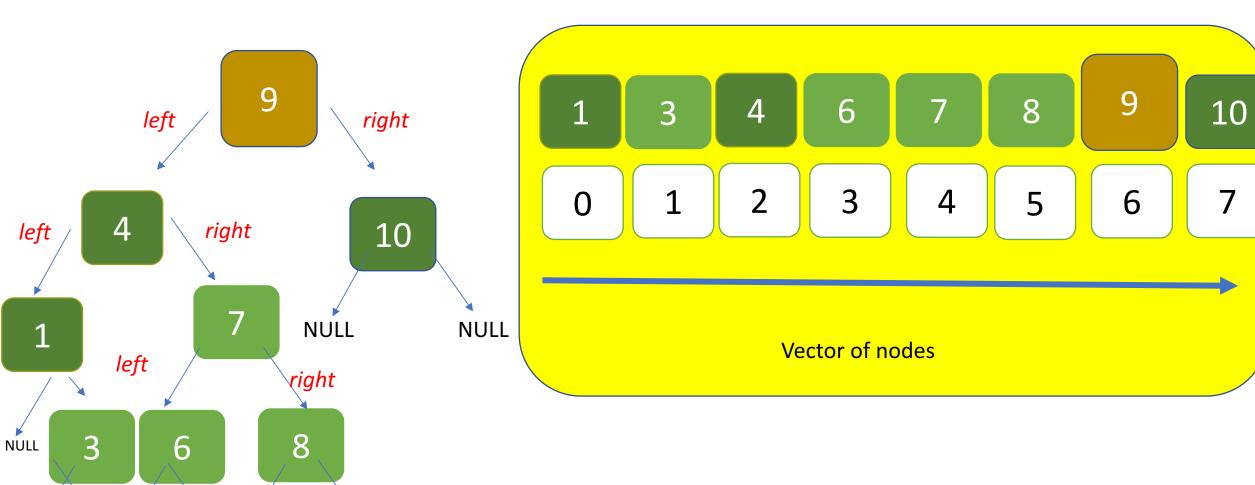
```
Inorder (root)=inorder(7)
inorder (7)
          { inorder(7 --> left) che e' 4
             { inorder (4 --> left) che e' 3
              t=3
                      inorder (3--> left) che e' NULL
                      t=NULL
                      return;
                      cout << 3
                      inorder (3-->right)
                      t=NULL
                      return;
               cout << 4
               inorder (4\rightarrow right) che e' 6
               t=6
                       inorder( 6--> left) che e' NULL
                       cout << 6 _____
                       inorder( 6--> right) che e' NULL return
            cout << 7 —
            inorder (7--> right) che e' 10
                t = 10
                inorder (10 → left) che e' NULL 🍤 return
                cout << 10 ecc... __
                                                                  10
```



NULL NULL

NULL NULL NULL

NULL



Balance 9 4 6 8 10 3 left right 3 4 5 6 0 4 left right 10 NULL NULL Vector of nodes left right Root < - insert (v, 0, 7) NULL 3 8 6 6 Start = 0End = 7Middle = (0 + 7)/2 = 3NULL NULL NULL NULL NULL NULL t <- v[3] = 6

