Name:- Muhammad Arham Azam Roll # L1S22BSCS0413

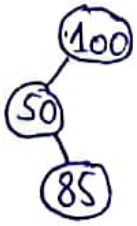
Assignment 4

Q1)

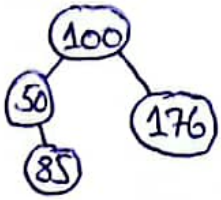
a) Insert 100:-

insert 50:-

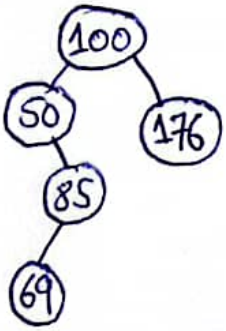
insert 85:-



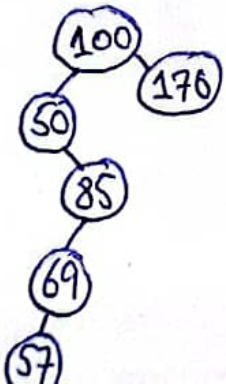
insert 176:-



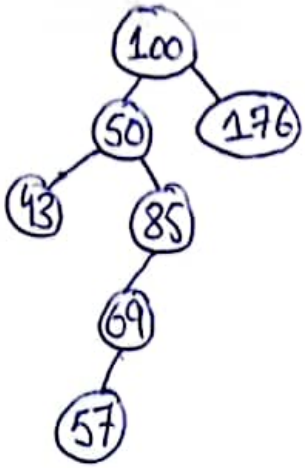
insert 69:-



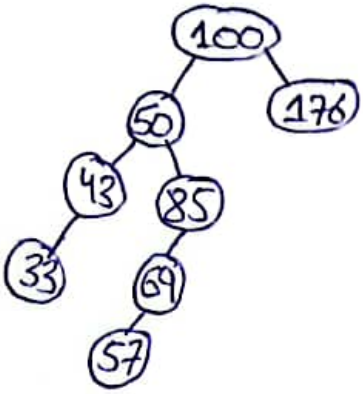
insert 57:-



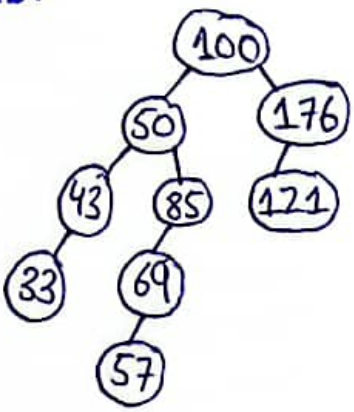
insert 43:-



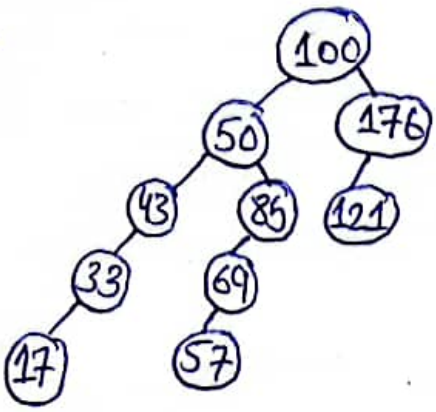
insert 33:-



insert 121:-

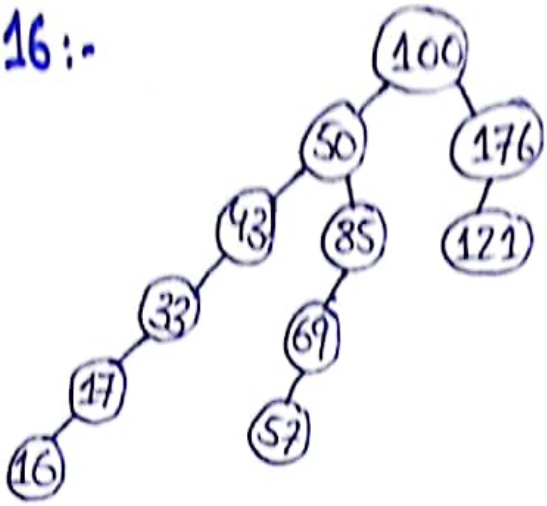


insert 17:-

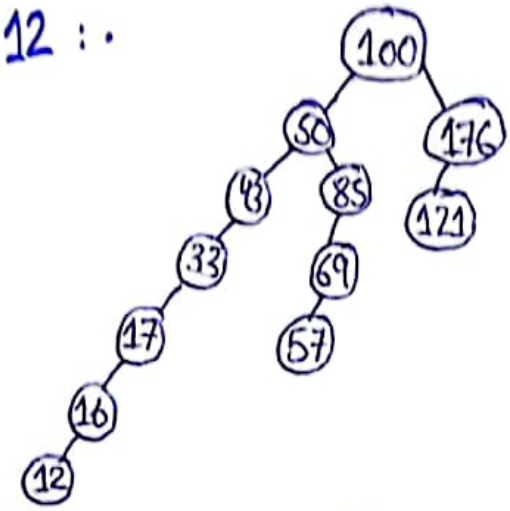


CamScanner

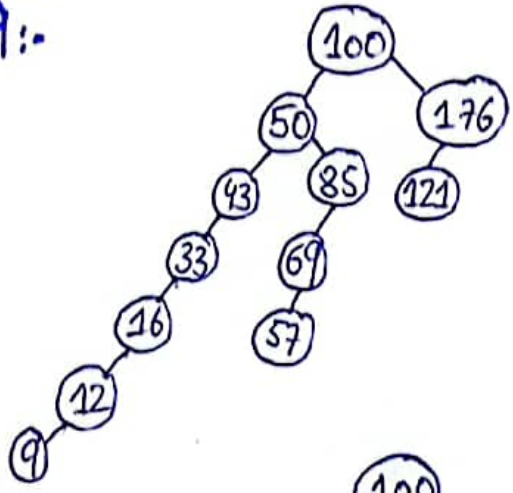
insert 16 :-



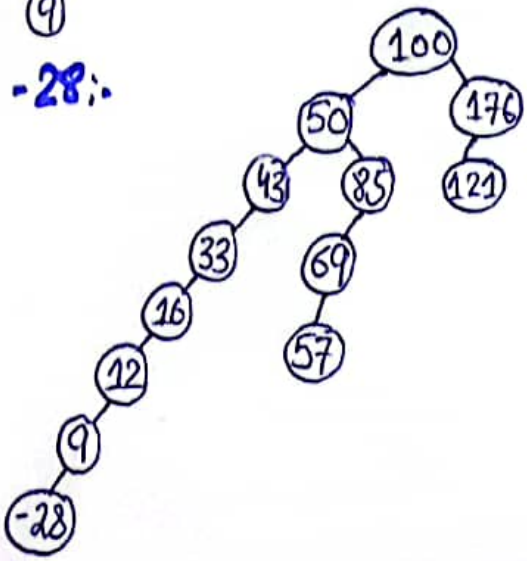
insert 12 : -



insert 9 :-

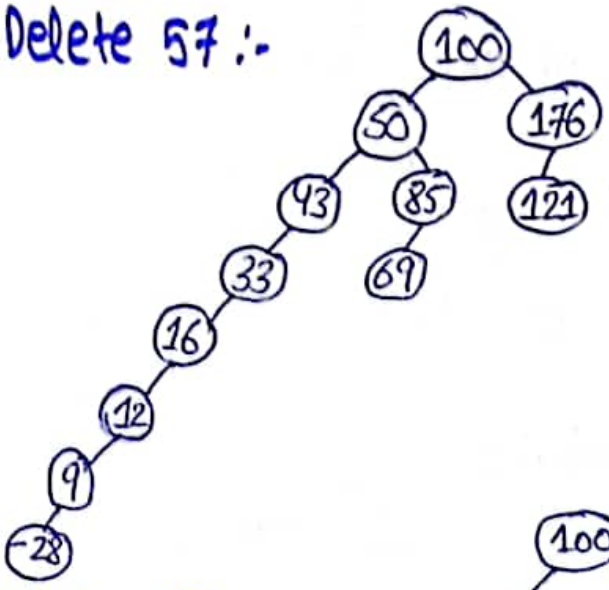


insert -28 :-

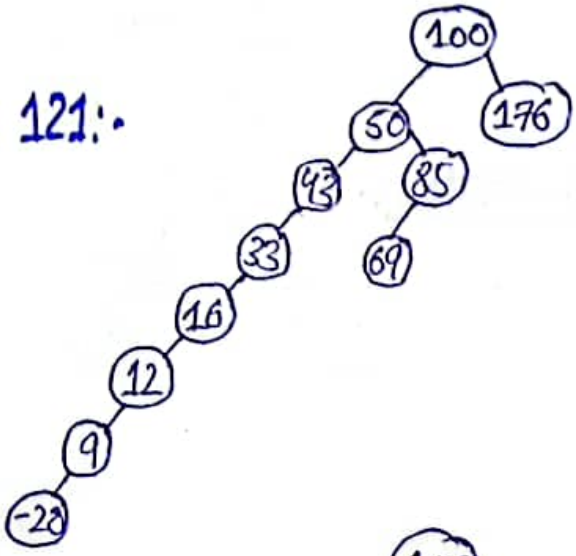


CamScanner

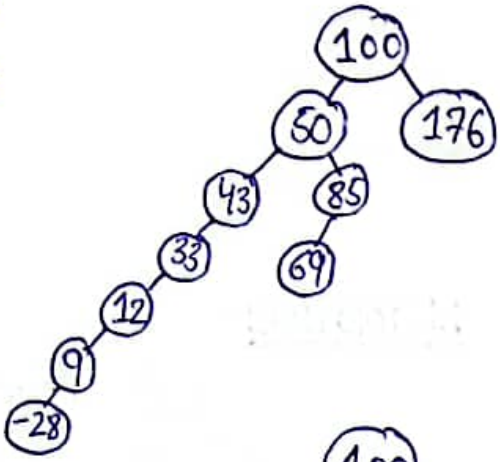
b) Delete 57 :-



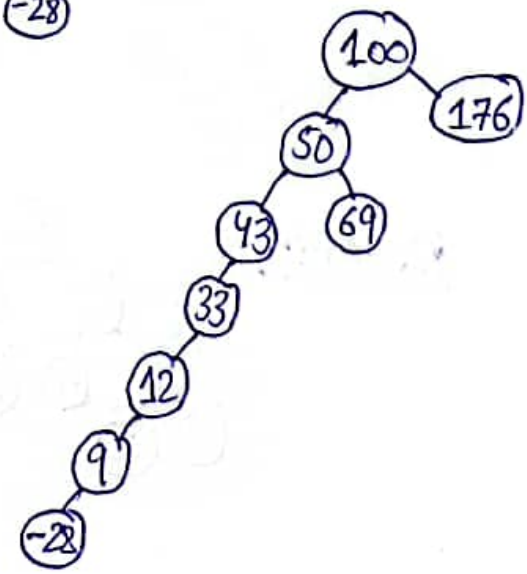
delete 121:-



delete 16:-



delete 85:-

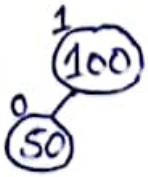


CamScanner

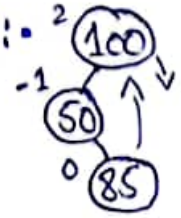
Q2:-

(i) insert 100:-

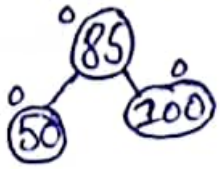
(ii) insert 50:-



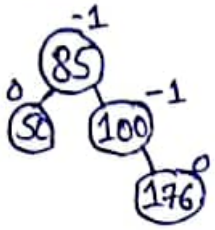
(iii) insert 85:-



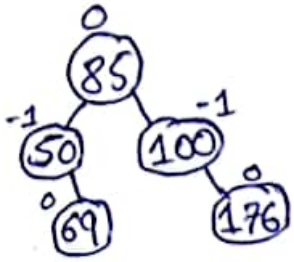
LR rotation:-



(iv) insert 176:-

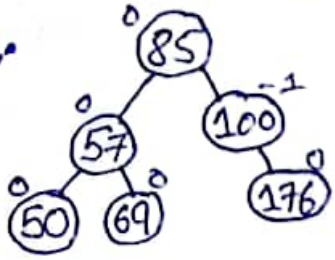


(v) insert 69:-

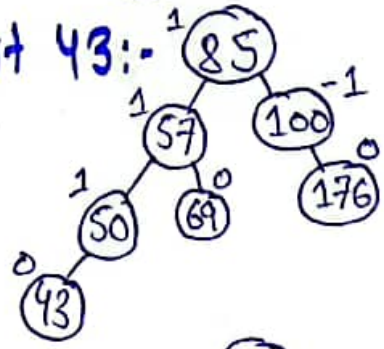


(vi) insert 57:-

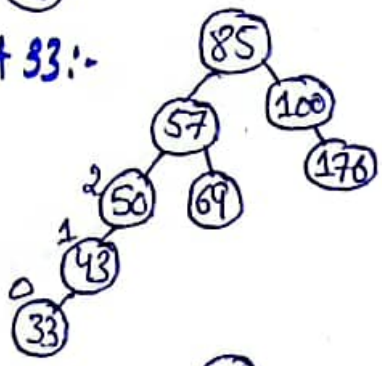
RL rotation:-



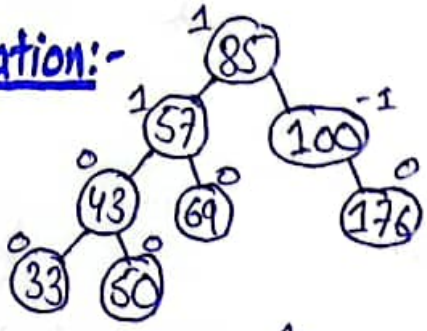
vii) insert 43:-



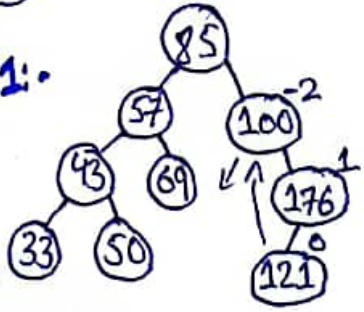
(viii) insert 33:-



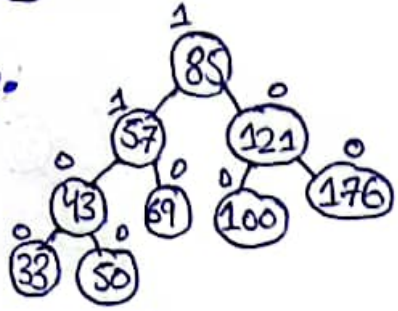
LL rotation:-



(ix) insert 121:-

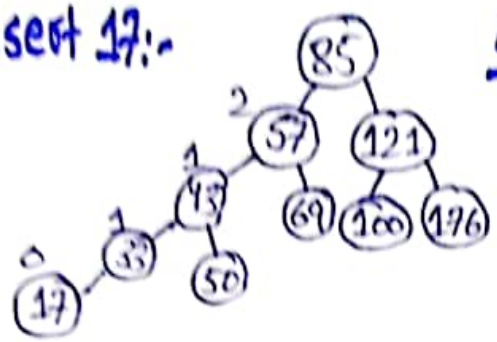


RL rotation:-

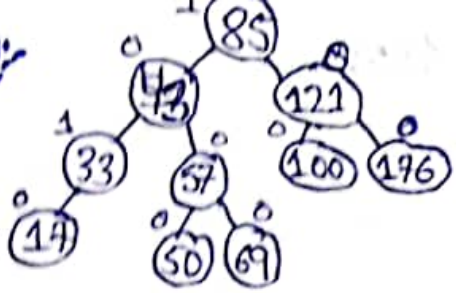


CamScanner

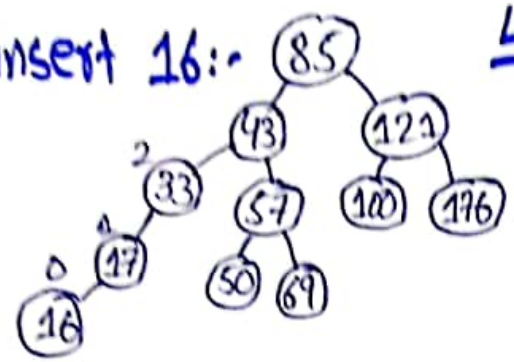
(x) insert 17:-



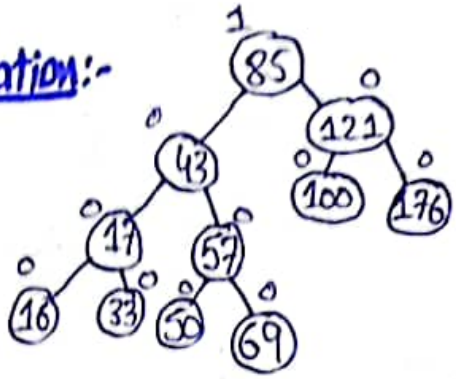
LL rotation:-



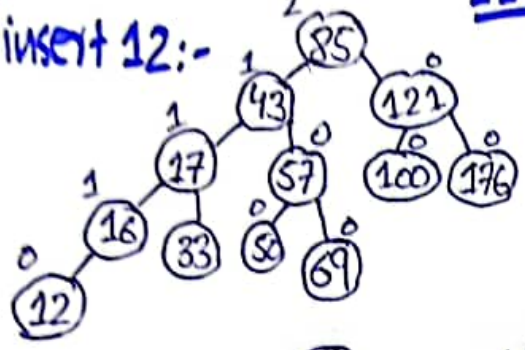
(xi) insert 16:-



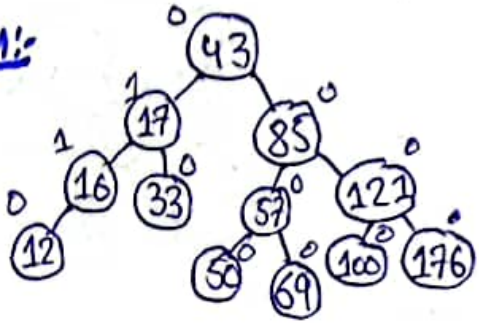
LL rotation:-



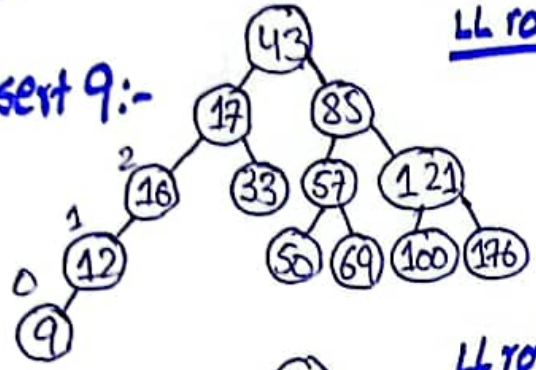
(xii) insert 12:-



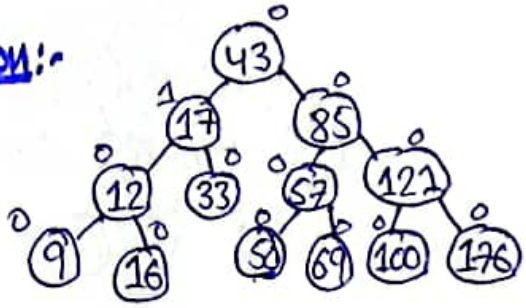
LL rotation:-



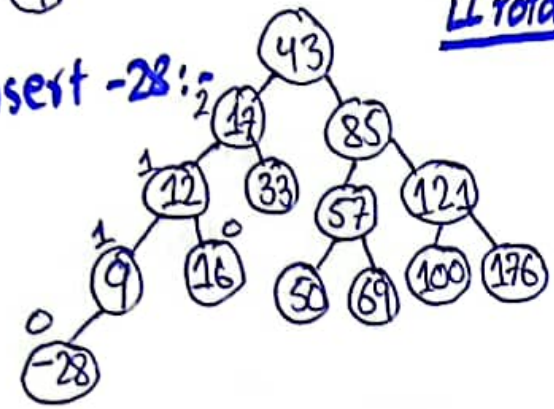
(xiii) insert 9:-



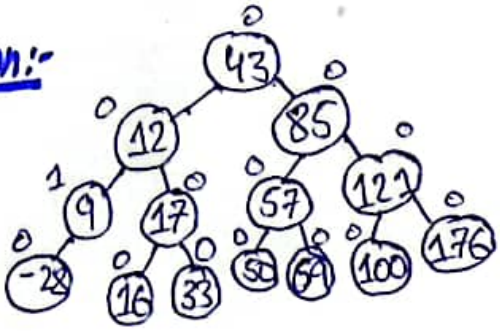
LL rotation:-



(xiv) insert -28:-



LL rotation:-

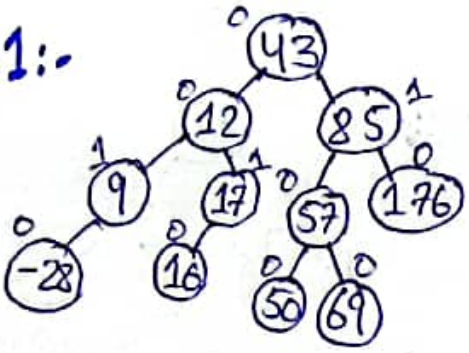


CamScanner

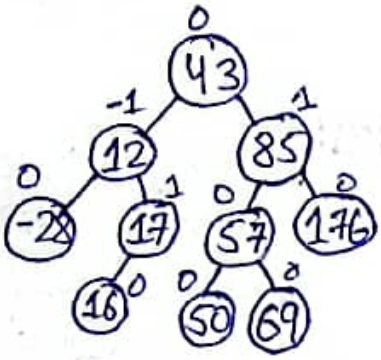
b) delete 100:-

delete 33:-

delete 121:-



delete 9:-



CamScanner