Question no 2

Part a)

1. πLastName, FirstName, MemberID ( https://www.cs.helsinki.fi/u/laine/tkpv/algebra/sigma.gifCoach=null Member)
2. {M.LastName,M.FirstName,M.MemberID | Member(M) AND Coach=NULL}
3. Select LastName, FirstName, MemberID from Member Where Coach is null ;

Part b)

1. πLastName, FirstName, MemberID ( https://www.cs.helsinki.fi/u/laine/tkpv/algebra/sigma.gifyear=2013 Member)
2. {M.LastName,M.FirstName,M.MemberID | Member(M) AND year=2013}
3. Select LastName, FirstName, MemberID from Member Where year(joindate)=2013;

Part c)

1. πLastName, FirstName, MemberID ( Member ⨝ Entry member.memberId=Entry.Memberid and year!=2013 )
2. {M.LastName,M.FirstName,M.MemberID | Member(M) ,Entry(E) AND M.MemberId ∉ E.MemberId AND year!=2013}
3. Select LastName, FirstName, Member.MemberID from Member inner join Entry on Member.MemberID = Entry.MemberID and Entry.Year !=2013;

Part d)

1. {M.LastName,M.FirstName,M.MemberID | Member(M) ,ClubMember(E) AND M.MemberId = E.MemberId }
2. SelectMember.LastName, Member.FirstName, Member.MemberID from Member inner join ClubMember on Member.MemberID=ClubMember.MemberID;