```apex
trigger ContactTrigger on Contact (after insert, after update) {
    if(trigger.isAfter){
        if(trigger.isInsert){
            contactTriggerhelperr.throwErrorOnContact(trigger.new);
        }
        if(trigger.isUpdate){
            contactTriggerhelperr.throwErrorOnContact(trigger.new);
        }
    }
}
```

```
/*  Using AggregateResult Query*/

public class ContactTriggerHelper {
    public static void throwErrorOnContact(List<Contact> newList) {
        Set<Id> accountIdSet = new Set<Id>();
        for (Contact c : newList) {
            if (c.AccountId != null) {
                accountIdSet.add(c.AccountId);
            }
        }
        Map<Id, Integer> mapOfContactCount = new Map<Id, Integer>();
        for (AggregateResult ag : [SELECT AccountId, COUNT(Id) contactCount FROM Contact
                                   WHERE AccountId IN :accountIdSet
                                   GROUP BY AccountId]) {
                mapOfContactCount.put((Id)ag.get('AccountId'), (Integer)ag.get('contactCount'));
        }
        for (Contact c : newList) {
            if (c.AccountId != null && mapOfContactCount.containsKey(c.AccountId) && mapOfContactCount.get(c.AccountId) > 2) {
                c.addError('Contact limit reached for the Account');
            }
        }
    }
}
```

```
/*  Using Inner-Query*/

public class ContactTriggerHelper {
    public static void throwErrorOnContact(List<Contact> newList) {
        Set<Id> accountIdSet = new Set<Id>();
        for (Contact c : newList) {
            if (c.AccountId != null) {
                accountIdSet.add(c.AccountId);
            }
        }
        Map<Id, Integer> mapOfContactCount = new Map<Id, Integer>();
        for (Account ac : [SELECT id, (SELECT id FROM Contacts) FROM Account
                        WHERE id IN : accountIdSet]){
                            mapOfContactCount.put(ac.id, ac.contacts.size());
                        }
        for (Contact c : newList) {
            if (c.AccountId != null && mapOfContactCount.containsKey(c.AccountId) && mapOfContactCount.get(c.AccountId) > 2) {
                c.addError('Contact limit reached for the Account');
            }
        }
    }
}
```