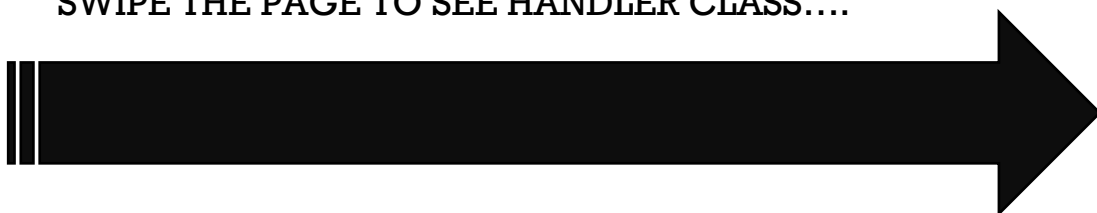33.Write a trigger to send an email when an account is updated with details of contact modified between the last update and current update of account.(For Example : I have One account,this account has two contacts in the morning I have updated the Account and after that I have also updated one of the contact in the account.In the afternoon when I am updating the same account I have to send email to the account owner that the detail of contact updated in the Account).

Object : Account

```
Trigger AccountTrigger on Account (After Update)
  {
     If(trigger.isAfter)
       {
           If(trigger.isUpdate)
             {
                 AccountTriggerHandler.
                 handleAfterUpdate(trigger.new,trigger.oldmap);
             }
       }
  }
```

SWIPE THE PAGE TO SEE HANDLER CLASS….

```apex
public class AccountTriggerHandler
{
    public static void
    handleAfterUpdate(list<Account>Acclists,Map<id,Account>Oldmap)
    {
        Map<Id,datetime>AccDateMap = new map<id,datetime>();
        set<id>OwnerId = new set<id>();

        Account OldAcc = new account();

        if(!Acclists.isEmpty())
        {
            for(Account A :Acclists)
            {
                if(Oldmap != null)
                {
                    OldAcc = Oldmap.get(A.id);

                    if(A.LastModifiedDate != OldAcc.LastModifiedDate)
                    {
                        AccDateMap.put(A.Id,OldAcc.LastModifiedDate);
                        OwnerId.add(A.OwnerId);
                    }
                }
            }
        }


        if(!AccDateMap.isEmpty())
        {
            List<Contact>Conlists = [select
            id,AccountId,Name,LastModifiedDate from Contact where AccountId
            IN:AccDateMap.keyset() and
            LastModifiedDate >:AccDateMap.values() and LastModifiedDate
            <=:System.now()];

            string emailBody = 'The Following Contacts is Updated in Your
    Account :\n';

            for(Contact C :Conlists)
            {
                emailBody += 'Name : '+C.Name+'\n';
            }

            List<User>Uselist = [select id,Email from User where Id IN :OwnerId];
            List<String>emails = new list <string>();
```

```
For(User U : Uselist)
{
    emails.add(U.Email);
}

if(!Conlists.isEmpty())
{
    List<messaging.singleEmailMessage>messages = new
    list<messaging.singleEmailMessage>();

    For(Account Acc : Acclists)
    {
        Messaging.SingleEmailMessage Message = new
        Messaging.SingleEmailMessage();
        Message.setToAddresses(emails);
        Message.setSubject('Updated Contact in Your Account');
        Message.setPlainTextBody(emailBody);
        messages.add(Message);
    }

    If(!messages.isEmpty())
    {
        Messaging.sendEmail(messages);
    }
}

        }
    }
}
```

1. Updating the Account Initially :

Edit Edge Communications

* = Required Information

Account Owner
Sitharthan V

Rating
Cold ▼

* Account Name
Edge Communications

Phone
(512) 757-6000

Number of Contacts
2

Fax
(512) 757-9000

Parent Account
Search Accounts... 🔍

Website
http://edgecomm.com

Account Number
CD451796

Ticker Symbol
EDGE

Account Site

Ownership
Public ▼

Type
Customer – Direct

Employees

Cancel | Save & New | Save

2. Next Updating Contact in the Account :

Edit Sean Forbes

* = Required Information

Contact Owner
Sitharthan V

Phone
(512) 757-6000

* Name
Salutation
Mr. ▼

Home Phone

First Name
Sean

* Last Name
John

Email
sean@edge.com

Mobile
(512) 757-4561

Account Name
🏢 Edge Communications ✕

Other Phone

Title
CFO

Fax

Cancel | Save & New | Save

3. Again Updating the Same Account :

Edit Edge Communications

Account Owner
🐱 Sitharthan V

Rating ↺
Hot ▼

* Account Name
Edge Communications

Phone
(512) 757-6000

Number of Contacts
2

Fax
(512) 757-9000

Parent Account
Search Accounts... 🔍

Website
http://edgecomm.com

Account Number
CD451796

Ticker Symbol
EDGE

Account Site

Ownership
Public ▼

Type
Customer - Direct

Employees

Cancel   Save & New   Save

4.Email is Triggered :

Updated Contact in Your Account   Inbox ×

Sitharthan V <u>via</u> m0uoear0mh6g5v21.mn5dn.it-2onyt2ag.ap49.bnc.salesforce.com   1:22 PM (0 minutes ago)
to me ▾

The Following Contacts is Updated in Your Account :
Name : Sean John