

17. Write a trigger to update Total Opportunity Amount associated with account when an opportunity is 'Updated' or 'Deleted' or 'Undeleted'

Object: Opportunity

Trigger OpportunityTrigger on Opportunity (After Update)

```
{  
    if (trigger.isAfter && trigger.isUpdate)  
    {  
        OpportunityTriggerHandler. handleAfterUpdate(trigger.New,  
            trigger.Oldmap);  
    }  
    If (trigger.isAfter && trigger.isDelete)  
    {  
        OpportunityTriggerHandler. handleAfterDelete(trigger.old);  
    }  
    If (trigger.isAfter && trigger.isUndelete)  
    {  
        OpportunityTriggerHandler. handleAfterUndelete(trigger.new);  
    }  
}
```

SWIPE THE PAGE TO SEE HANDLER CLASS...



```
Public class OpportunityTriggerHandler
```

```
{
```

```
    Public static void
```

```
    handleAfterUpdate(List<Opportunity>Opplist,Map<id,Opportunity>Oldmap)
```

```
    {
```

```
        Set<id>accids = new set<id>();
```

```
        for(Opportunity O : Opplist)
```

```
        {
```

```
            if(O.Accountid!=null)
```

```
            {
```

```
                accids.add(O.AccountId);
```

```
            }
```

```
            else if (Oldmap.ContainsKey(O.Id) && Oldmap.get(O.Id).AccountId !=  
O.AccountId)
```

```
            {
```

```
                accids.add(Oldmap.get(O.Id).AccountId);
```

```
            }
```

```
        }
```

```
        List<AggregateResult> aggr = [SELECT AccountId, SUM(Amount) totalAmount FROM  
Opportunity WHERE AccountId IN :accIds GROUP BY AccountId];
```

```
        List<Account> accToUpdate = new List<Account> ();
```

```
        for (AggregateResult a: aggr)
```

```
        {
```

```
            Account acc = new Account ();
```

```
            acc.Id = (Id) a.get('AccountId');
```

```
            acc.Total_Opportunity_Amount__c = (Decimal) a.get('totalAmount');
```


```
            accToUpdate.add(acc);
```

```
        }
```


```
if (!accToUpdate.isEmpty())
{
    update accToUpdate;
}
```

No table of contents entries found.

RESULT:



Opportunity Owner


 Sitharthan V

Private☐

* Opportunity Name

Viajy 1

Account Name

 Facebook

✕

Type

--None--

Lead Source

--None--

Amount

₹1,000.00

Expected Revenue

₹200.00

* Close Date

28/03/2020

Next Step

* Stage

Needs Analysis

Probability

20%

Primary Category

Marketing

Cancel

Save



Account

Facebook

Related

Details

Account Owner

[Sitharthan V](#)

Account Name

Facebook



Total Opportunity Amount

1,000



Parent Account



Account Number



Account Site



Type

```
Public static void handleAfterDelete(List<Opportunity>Opplist)
```

```
{  
    set<id>accids = new set<id>();  
    for(Opportunity O:Opplist)  
    {  
        if(O.AccountId!=null)  
        {  
            accids.add(O.AccountId);  
        }  
    }  
}
```

```
List<AggregateResult> aggr = [SELECT AccountId, SUM(Amount) totalAmount FROM  
Opportunity WHERE AccountId IN :accIds GROUP BY AccountId];
```

```
List<Account> accToUpdate = new List<Account>();
```

```
for (AggregateResult a: aggr)
```

```
{
```



```

Account acc = new Account ();
acc.Id = (Id) a.get('AccountId');
acc.Total_Opportunity_Amount__c = (Decimal) a.get('totalAmount');
accToUpdate.add(acc);
}


if(!accToUpdate.isEmpty())
{
    update accToUpdate;
}
}

```


RESULT:

 Account
Vijay TV 



View All

 **Contacts (0)**



New



 **Opportunities (2)**

New



Vijay 1		Vijay 2	
Stage: Needs Analysis		Stage: Id. Decision Makers	
Amount: ₹1,000.00		Amount: ₹2,000.00	
Close Date: 28/3/2024		Close Date: 26/3/2024	<div>Edit</div> <div>Delete</div>

View All







Account
Vijay TV



Opportunity "Vijay 2" was deleted. [Undo](#)


Type Phone Website Account Owner Account Site Industry


[Sitharthan V](#)


Related Details

Account Owner	 Sitharthan V	Rating	Hot	
Account Name	Vijay TV	Phone		
Total Opportunity Amount	1,000	Fax		
Parent Account		Website		

```
Public static void handleAfterUndelete(list<Opportunity>Opplist)
```

```
{
    set<id>accids = new set<id>();
```

```
    for(Opportunity O : Opplist)
```

```
    {
        if(O.AccountId!=null)
```

```
        {
            accids.add(O.AccountId);
```

```
        }
```

```
List<AggregateResult> aggr = [SELECT AccountId, SUM(Amount) totalAmount FROM Opportunity WHERE AccountId IN :accIds GROUP BY AccountId];

List<Account> accToUpdate = new List<Account> ();
```

RESULT:

Recycle Bin

My Recycle Bin

Restore

Delete

1 item selected

<div><div></div></div>	Record Name	Type	Deleted By	Deleted Date
1	<div><div></div><div>Vijjay 2</div></div>	Opportunity	Sitharthan V	25/03/2024, 8:52 am
2	<div><div></div><div>salesforcebeatiful</div></div>	Contact	Sitharthan V	16/03/2024, 12:26 pm
3	<div><div></div><div>poda tahilee</div></div>	Contact	Sitharthan V	16/03/2024, 12:24 pm



Account

Vijay TV



Related

Details

Account Owner



[Sitharthan V](#)



Account Name

Vijay TV



Total Opportunity Amount

3,000



Parent Account



Account Number

