

Trigger 1

whenever an opportunity record is created or updated and if amount is great than 10,000 then we need to send an email to the record owner.

```
trigger OpportunityTrigger on Opportunity (After insert,after update) {  
    OpportunityHandler obj= new OpportunityHandler();  
    obj.doAction();  
}
```

// Handler:

```
public class OpportunityHandler {  
    List<Opportunity> triggerNew;  
    List<Opportunity> triggerOld;  
    Map<id,Opportunity>triggerNewMap;  
    Map<id,Opportunity>triggerOldMap;
```

```
    public OpportunityHandler(){  
        triggerNew=(List<Opportunity>)trigger.New;  
        triggerOld=(List<Opportunity>)trigger.Old;  
        triggerNewMap=(map<id,Opportunity>)trigger.NewMap;  
        triggerOldMap=(map<id,Opportunity>)trigger.OldMap;  
    }
```

```
    public void doAction(){  
        Switch on trigger.operationType  
        {  
            When AFTER_INSERT  
            {  
                OppAmountChange(triggerNew);  
            }  
            When AFTER_UPDATE  
            {  
                OppAmountChange(triggerNew);  
            }  
        }  
    }
```

```

    }
    }
}
public static void OppAmountChange(List<Opportunity> oppList)
{
    Set<id> ownerIds= new Set<Id>();
    //List<User> userListChk=new List<User>();
    List<Messaging.SingleEmailMessage> emailsToSend = new Lis
t<Messaging.SingleEmailMessage>();
    if(!oppList.isEmpty()){
        for(Opportunity opp:oppList){

            if(opp.Amount!= Null && opp.Amount> 10000){
                // user objUser= new user();
                ownerIds.add(opp.Id);

            }

        }
    }

    if(!ownerIds.isEmpty()){
        Map<id,User> ownerMap =new Map<id,User>([Select Id,Na
me,Email
FROM User WHE
RE Id IN:ownerIds]);

        for(Opportunity opp: oppList)
        {
            Messaging.SingleEmailMessage email= new Messagin
g.SingleEmailMessage();
            email.setToAddresses(new List<String> {opp.OwnerI
d});

            String ownerName= ownerMap.containsKey(opp.OwnerI

```

```

d) ? ownerMap.get(opp.OwnerId).Name : '';

        email.setSubject('Opportunity Amount Exceeding Th
reshold');
        email.setPlainTextBody('Dear ' +ownerName+ ',\n
\n'+
                                'The Opportunity
'+ opp.Name+' has an amount exceeding $10,000.');
```

```

        emailsToSend.add(email);
    }
    if(!emailsToSend.isEmpty()){
        Messaging.sendEmail(emailsToSend);
    }
}
}

```