32. Write a trigger to send an email to the Opportunity record owner when record is inserted or updated and has amount greater than 10,000.

Object: Opportunity

```
Trigger OpportunityTriggers on Opportunity (After Update,After Insert)
{
    if(Trigger.isAfter)
    {
        if(Trigger.isInsert)
        {
            OpportunityTriggerHandler.handleAfterInset(Trigger.New);
        }
        if(Trigger.isUpdate)
        {
            OpportunityTriggerHandler.handleAfterUpdate(Trigger.new, Trigger.Oldmap);
        }
    }
}
```

Swipe the page to see handler class...

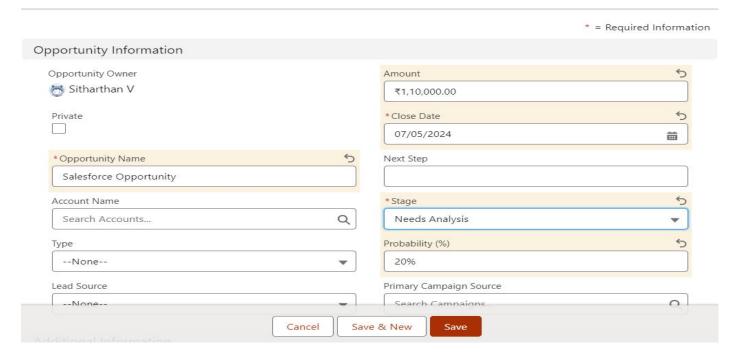


```
public class OpportunityTriggerHandler
 public static void handleAfterInset(list<Opportunity>Opplist)
    set<Id>OwnerId = new set<Id>();
    List<Messaging.SingleEmailMessage>Emails = new
list<Messaging.SingleEmailMessage>();
    if(!Opplist.isEmpty())
    {
            for(Opportunity O : Opplist)
              if(O.Amount != null && O.Amount >= 10000)
                OwnerId.add(O.OwnerId);
            }
    }
    if(!OwnerId.isEmpty())
      List<User>Userlist = [select id,Name,Email from User where Id IN:OwnerId];
      list<string>Emailists = new List<String>();
      list<string>OwnerName = new List<String>();
      if(!Userlist.isEmpty())
      {
              for(User U :Userlist)
                Emailists.add(U.Email);
                OwnerName.add(U.Name);
              }
              for(Opportunity Opp : Opplist)
                      Messaging.SingleEmailMessage email = new
           Messaging.SingleEmailMessage();
                      email.setToAddresses(Emailists);
                      email.setSubject('Amount Greater Than 10,000');
                      email.setPlainTextBody('Dear,'+OwnerName+'\n\n'+
                      "The Opportunity'+' '+Opp.Name+' has Amount Greater than
           $10,000');
                      Emails.add(email);
              }
        if(!Emails.isEmpty())
        {
```

```
Messaging.sendEmail(Emails);
}
}
}
```

Result:

New Opportunity





```
public static void
handleAfterUpdate(list<Opportunity>Opplist,Map<id,Opportunity>Oldmap)
 {
    set<Id>OwnerId = new set<Id>();
    List<Messaging.SingleEmailMessage>Emails = new
list<Messaging.SingleEmailMessage>();
    for(Opportunity O :Opplist)
            if(O.Amount != null && O.Amount != Oldmap.get(O.Id).Amount &&
     O.Amount >= 10000)
              OwnerId.add(O.OwnerId);
    }
    if(!OwnerId.isEmpty())
      List<User>Userlist = [select id,Name,Email from User where Id IN:OwnerId];
      list<string>Emailists = new List<String>();
      list<string>OwnerName = new List<String>();
      if(!Userlist.isEmpty())
              for(User U :Userlist)
                Emailists.add(U.Email);
                OwnerName.add(U.Name);
                system.debug('In Email And Names');
              }
              for(Opportunity Opp : Opplist)
                Messaging.SingleEmailMessage email = new
     Messaging.SingleEmailMessage();
                email.setToAddresses(Emailists);
                email.setSubject('Amount Greater Than 10,000');
                email.setPlainTextBody('Dear,'+OwnerName+'\n\n'+
                "The Opportunity'+' '+Opp.Name+' has Amount Greater than or Equal
     to $10,000');
                Emails.add(email);
                system.debug('Mail Added in Lists');
              }
        if(!Emails.isEmpty())
          Messaging.sendEmail(Emails);
          system.debug('Email Sent');
      }
```

```
}
}
}
```

Result:

Edit Edge Installation

