How to fatch 2 object records in single page

public class MixedRecords {

public list <account> acclist {get; set;}

public list <contact> conlist {get; set;}

public void mixedMethod(){

acclist = [SELECT name, phone, industry FROM account limit 5];

}

public void hideMethod(){

if(acclist != NULL)

acclist.clear();

}

public void mixedMethod1(){

conlist = [SELECT name, phone, email FROM contact limit 5];

}

public void hideMethod1(){

if(conlist != NULL)

conlist.clear();

}

}

<apex:page controller="MixedRecords">

<apex:form >

<apex:pageblock title="Records Result">

<div align="center">

<apex:commandButton value="Show Account" action="{!mixedMethod}"/>

<apex:commandButton value="Hide Account" action="{!hideMethod}"/>

</div>

<apex:pageBlockSection title="Account Result" columns="1">

<apex:pageBlockTable value="{!acclist}" var="al" >

<apex:column value="{!al.Name}"/>

<apex:column value="{!al.Phone}"/>

<apex:column value="{!al.industry}"/>

</apex:pageBlockTable>

</apex:pageblocksection>

<div align="center">

<apex:commandButton value="Show Contacts" action="{!mixedMethod1}"/>

<apex:commandButton value="Hide Contacts" action="{!hideMethod1}"/>

</div>

<apex:pageBlockSection title="Contact Result" columns="1">

</apex:pageBlockSection>

<apex:pageBlockTable value="{!conlist}" var="cl">

<apex:column value="{!cl.Name}"/>

<apex:column value="{!cl.Phone}"/>

<apex:column value="{!cl.email}"/>

</apex:pageBlockTable>

</apex:pageblock>

</apex:form>

</apex:page>