===========Controller===========

// Creating a class for showing particular account detail and is related Opportunity.

public class AccountDemoController{

public String recordId{get;set;}

//List for taking multiple values of opportunity

public List<Account> accList{get;set;}

//Constructor

public AccountDemoController(ApexPages.StandardController sc){

recordId = sc.getRecord().id;

if(recordId != null){

accList = new List<Account>( [SELECT id, name, BillingAddress, AccountNumber,AnnualRevenue, phone, BillingState, BillingCountry, BillingPostalCode, Billingcity, OwnerId, CreatedBy.Name,(Select id,Name,Type,Amount,StageName from opportunities) From Account Where id =: recordId]);

}

}

}

================VF Page==========

//Visual force page to showing data form Controller

<apex:page standardController="Account" extensions="AccountDemoController" sidebar="false">

<apex:form >

<apex:pageBlock >

<img src="https://www.channelweb.co.uk/w-images/d282f464-05ec-459d-b273-b1fd3904c60d/0/salesforcecloudrevenueprofitcrm-230x142.jpg" height="50px" width="150px" />

<apex:outputPanel style="margin-left:500px;">

<span style="margin-right:0px;">Welcome to page!! you are seeing account related opportunnity </span>

</apex:outputPanel>

<apex:pageBlockSection collapsible="true" title="Opportunity Record">

<apex:repeat value="{!accList}" var="acc">

<apex:outputField value="{!acc.OwnerId}"/>

<apex:outputField value="{!acc.AccountNumber}"/>

<apex:outputField value="{!acc.name}"/>

<apex:outputField value="{!acc.phone}"/>

<apex:outputField value="{!acc.AccountNumber}"/>

<apex:outputField value="{!acc.AnnualRevenue}"/>

<apex:pageBlockTable value="{!acc.opportunities}" var="a" title="Opportunity Data">

<apex:column headerValue="Opportunity Name" ><apex:outputField value="{!a.Name}"/></apex:column>

<apex:column headerValue="Type"><apex:outputField value="{!a.Type}"/></apex:column>

<apex:column headerValue="Amount"> <apex:outputField value="{!a.Amount}"/></apex:column>

<apex:column headerValue="Stage"><apex:outputField value="{!a.StageName}"/></apex:column>

</apex:pageBlockTable>

</apex:repeat>

</apex:pageBlockSection>

</apex:pageBlock>

</apex:form>

</apex:page>

=============@testClass===========

// Test class for AccountDemoController

@isTest

public class AccountDemoControllerTest {

@isTest

public static void myTest(){

test.startTest();

Account acc = new Account();

acc.name = 'test';

insert acc;

ApexPages.StandardController sc = new ApexPages.StandardController(acc);

AccountDemoController adc = new AccountDemoController(sc);

test.stopTest();

}

}