public class Query\_Viewer {

public String runQuery;

public List<String> fieldList{get;set;}

public String sortBy='';

public Boolean isSortingLinkClicked = false;

public Boolean nextButton = false;

public Boolean previousButton = false;

public Boolean firstButton = false;

public Boolean lastButton = false;

public Query\_Viewer(){

runQuery='';

sortBy='';

}

public ApexPages.StandardSetController setCon{

get{

if(setcon == null){

List<sObject> records=new List<sObject>();

records=getresultRecord(runQuery);

if(records!=null){

setCon = new ApexPages.StandardSetController(records);

setCon.setPageSize(10);

}

}

return setCon;

}

set;

}

public void sortByMethod(){

setCon = null;

isSortingLinkClicked = true;

}

public String getrunQuery(){

return runQuery;

}

public String getSortBy(){

return sortBy;

}

public void setrunQuery(String query){

runQuery=query;

setCon=null;

}

public void setsortBy(String name){

sortBy=name;

setCon=null;

}

public List<sObject> getresultRecord(String query){

List<sObject> result=new List<sObject>();

try{

result=Database.query(createQuery(query));

if(result.size()==0){

ApexPages.addMessage(new ApexPages.message(ApexPages.Severity.INFO,'No RECORD Found'));

fieldList=new List<String>();

return null;

}

else{

ApexPages.addMessage(new ApexPages.message(ApexPages.Severity.INFO,'RECORD Found : '+result.size()));

fieldList=new List<String>();

Set<String> finalfield = new Set<String>();

for(SObject i : result)

{

finalfield.addAll(i.getPopulatedFieldsAsMap().keySet());

}

fieldList.addAll(finalfield);

return result;

}

}

catch(Exception e){

ApexPages.addMessage(new ApexPages.message(ApexPages.Severity.ERROR,e.getMessage()));

fieldList=new List<String>();

return null;

}

}

private String createQuery(String query){

String orderedQuery = query;

if(isSortingLinkClicked && String.isNotBlank(this.getSortBy())){

if(query.containsIgnoreCase('order by')){

orderedQuery = orderedQuery.substring(0, query.indexOfIgnoreCase('order by') - 1);

}

orderedQuery = orderedQuery + ' ORDER BY ' + this.getSortBy();

}

return orderedQuery;

}

public List<sObject> getRecordList(){

if(nextButton==true){

setCon.next();

nextButton=false;

}

else if(previousButton==true){

setCon.previous();

previousButton=false;

}

else if(firstButton==true){

setCon.first();

firstButton=false;

}

else if(lastButton==true){

setCon.last();

lastButton=false;

}

if(setCon==null){

return null;

}

return setCon.getRecords();

}

public void next(){

nextButton=true;

}

public void previous(){

previousButton=true;

}

public void first(){

firstButton=true;

}

public void last(){

lastButton=true;

}

}