1. var ordby = AuthorList.OrderBy(x => x.Age);

var item = ordby.FirstOrDefault();

Console.WriteLine("Name "+ item.Name+ " Age "+ item.Age + "Title "+ item.Title + " Active "+ item.Active +" pubdate "+ item.Pubdate);

2. var cou = AuthorList.Count();

Console.WriteLine(cou);

3. var ordby = AuthorList.OrderByDescending(x => x.Pubdate);

var item = ordby.FirstOrDefault();

Console.WriteLine("Name "+ item.Name+ " Age "+ item.Age + "Title "+ item.Title + " Active "+ item.Active +" pubdate "+ item.Pubdate);

4. var groubby = from p in AuthorList group p by p.Age;

foreach (var item in groubby)

{

Console.WriteLine("Age Group :{0} ", item.Key);

foreach (var x in item)

{

Console.WriteLine(" Name : "+ x.Name + "Age "+ x.Age +" Active "+ x.Active +"pubdate "+ x.Pubdate);

}

}

5. var ordby = AuthorList.OrderBy(x => x.Name).ThenBy(x=> x.Age);

foreach (var item in ordby)

{

Console.WriteLine(" Name : "+ item.Name + "Age "+ item.Age + " Title "+item.Title +" Active "+ item.Active +"pubdate "+ item.Pubdate);

}

6. foreach (var item in AuthorList)

{

if (item.Name.ToLower().Contains("o") && item.Age > 20)

{

Console.WriteLine(" Name : " + item.Name + " Age " + item.Age + " Title " + item.Title + " Active " + item.Active + "pubdate " + item.Pubdate);

}

}

7. foreach (var item in AuthorList)

{if ( item.Age<19)

{

Console.WriteLine(true);

}

}

8. var item = AuthorList.FirstOrDefault(i => i.Name.ToLower().Contains('o'));

Console.WriteLine("Name " + item.Name + " Age " + item.Age + "Title " + item.Title + " Active " + item.Active + " pubdate " + item.Pubdate);