using System.ComponentModel.DataAnnotations.Schema;

namespace lori\_ef\_conversion;

public class Invoice {

public int Id { get; set; }

public int Lines { get; set; }

[Column(TypeName = "decimal(7,2)")]

public decimal TotAmt { get; set; }

public string FFname { get; set; }

public string CurDate { get; set; }

public string InvoiceNbr { get; set; }

public string InvDate { get; set; }

public string ItemNbr { get; set; }

public int Quantity { get; set; }

[Column(TypeName = "decimal(7,2)")]

public decimal UnitPrice { get; set; }

[Column(TypeName = "decimal(7,2)")]

public decimal ItemSalesAmt { get; set; }

}

using Microsoft.EntityFrameworkCore;

namespace lori\_ef\_conversion;

public class AppDbContext : DbContext {

public DbSet<Invoice> Invoices { get; set; }

public AppDbContext(DbContextOptions<AppDbContext> options) : base(options) { }

public AppDbContext() { }

protected override void OnConfiguring(DbContextOptionsBuilder builder) {

if(!builder.IsConfigured) {

builder.UseSqlServer("server=ripper\\sqlexpress;database=LoriDb;User Id=dsi;Password=dsiadmin;trustServerCertificate=true;");

}

}

}

using lori\_ef\_conversion;

Console.WriteLine("Lori w/EF");

var context = new AppDbContext();

var fileLines = new Dictionary<string, List<string>>();

var companyList = (from inv in context.Invoices

orderby inv.FFname

select new {

inv.FFname

}).Distinct();

foreach(var company in companyList.ToList()) {

var invoiceList = (from inv in context.Invoices

where inv.FFname == company.FFname

orderby inv.InvoiceNbr

select new {

Name = inv.FFname, Invoice = inv.InvoiceNbr

}).Distinct();

var lines = new List<string>();

foreach(var inv in invoiceList.ToList()) {

lines.Add($"H N:{inv.Name}, I:{inv.Invoice} ");

var total = 0m;

foreach(var item in context.Invoices.Where(x => x.InvoiceNbr == inv.Invoice).ToList()) {

lines.Add($"D I:{item.ItemNbr}, Q:{item.Quantity}, P:{item.UnitPrice:C}, LT:{item.Quantity \* item.UnitPrice:C}");

total += item.Quantity \* item.UnitPrice;

}

lines.Add($"S TOTAL:{total:C}\n");

}

fileLines.Add(company.FFname, lines);

}

foreach(var company in fileLines.Keys) {

var fullpath = Path.Combine(Directory.GetCurrentDirectory(), "../../..", $"{company}.txt");

File.WriteAllLines(fullpath, fileLines[company]);

}

This is the contents of the file for AnabiOil

H N:AnabiOil, I:4886234278

D I:29, Q:1, P:$5.00, LT:$5.00

D I:43, Q:42, P:$3.00, LT:$126.00

D I:7, Q:35, P:$1.00, LT:$35.00

D I:R43, Q:13, P:$3.00, LT:$39.00

D I:R7, Q:15, P:$1.00, LT:$15.00

S TOTAL:$220.00

H N:AnabiOil, I:4986235547

D I:29, Q:1, P:$5.00, LT:$5.00

D I:43, Q:42, P:$3.00, LT:$126.00

D I:7, Q:35, P:$1.00, LT:$35.00

S TOTAL:$166.00

H N:AnabiOil, I:4986235551

D I:29, Q:1, P:$5.00, LT:$5.00

D I:43, Q:78, P:$3.00, LT:$234.00

D I:7, Q:78, P:$1.00, LT:$78.00

S TOTAL:$317.00

H N:AnabiOil, I:6061232845

D I:29, Q:1, P:$5.00, LT:$5.00

D I:43, Q:26, P:$3.00, LT:$78.00

S TOTAL:$83.00

H N:AnabiOil, I:6526232293

D I:29, Q:1, P:$5.00, LT:$5.00

D I:43, Q:25, P:$3.00, LT:$75.00

D I:7, Q:96, P:$1.00, LT:$96.00

S TOTAL:$176.00

**This is the contents of the file for DSI file**

H N:DSI, I:9999999999

D I:7, Q:10, P:$5.00, LT:$50.00

D I:29, Q:5, P:$10.00, LT:$50.00

S TOTAL:$100.00