using System;

using System.Collections.Generic;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Uml1

{

//interface IDrawable

//{

// string GraphicContext { get; set; }

// void Draw();

//}

//interface IFigure

//{

// int Height { get; set; }

// int Width { get; set; }

// int X { get; set; }

// int Y { get; set; }

// int GetHeight();

// int GetWidth();

// Point GetLocation();

// void SetLocation(Point location);

// void SetWidth(int width);

// void SetHeight(int height);

//}

//class Rectangle : IDrawable, IFigure

//{

// public string GraphicContext { get ; set ; }

// public int Height { get; set ; }

// public int Width { get ; set ; }

// public int X { get; set; }

// public int Y { get; set; }

// public void Draw()

// {

// throw new NotImplementedException();

// }

// public int GetHeight()

// {

// throw new NotImplementedException();

// }

// public Point GetLocation()

// {

// throw new NotImplementedException();

// }

// public int GetWidth()

// {

// throw new NotImplementedException();

// }

// public void SetHeight(int height)

// {

// throw new NotImplementedException();

// }

// public void SetLocation(Point location)

// {

// throw new NotImplementedException();

// }

// public void SetWidth(int width)

// {

// throw new NotImplementedException();

// }

//}

//class Circle

//{

// public int Radius { get; set; }

// public int GetDiameters()

// {

// return 2 \* Radius;

// }

//}

//class Ellipse : Circle,IDrawable, IFigure

//{

// public string GraphicContext { get => throw new NotImplementedException(); set => throw new NotImplementedException(); }

// public int Height { get => throw new NotImplementedException(); set => throw new NotImplementedException(); }

// public int Width { get => throw new NotImplementedException(); set => throw new NotImplementedException(); }

// public int X { get => throw new NotImplementedException(); set => throw new NotImplementedException(); }

// public int Y { get => throw new NotImplementedException(); set => throw new NotImplementedException(); }

// public void Draw()

// {

// throw new NotImplementedException();

// }

// public int GetHeight()

// {

// throw new NotImplementedException();

// }

// public Point GetLocation()

// {

// throw new NotImplementedException();

// }

// public int GetWidth()

// {

// throw new NotImplementedException();

// }

// public void SetHeight(int height)

// {

// throw new NotImplementedException();

// }

// public void SetLocation(Point location)

// {

// throw new NotImplementedException();

// }

// public void SetWidth(int width)

// {

// throw new NotImplementedException();

// }

//}

interface IDiscount

{

double Discount { get; set; }

double GetTaxForDiscount();

}

interface IProduct

{

int ProductId { get; set; }

}

class Product:IProduct

{

public string Name { get; set; }

public double Price { get; set; }

public int ProductId { get; set; }

}

class OldProduct : IProduct,IDiscount

{

public double Discount { get; set; }

public int ProductId { get; set; }

public double GetTaxForDiscount()

{

throw new NotImplementedException();

}

}

class ProductItem

{

private IProduct product;

private int count;

}

class Order

{

ProductItem productItem;

int quantity;

DateTime createdDate;

}

class Company

{

public List<Order> Orders { get; set; }

}

public class Program

{

static void Main(string[] args)

{

}

}

}