**Directory list**

It so happened that you write the operating system "Windowi, version 0.99", and a module for this system, which is responsible for compiling the user's media albums.

From the list of files given to you, make a list of all directories that contain files with the .mp3 and .wav extensions.

Each directory needs to be returned only once, the order does not matter.

public static List<DirectoryInfo> GetAlbums(List<FileInfo> files)

{

...

}

**Code:**

using System;

using System.Collections.Generic;

using System.IO;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace umop12o12zDirectoryList

{

class Program

{

public static List<DirectoryInfo> GetAlbums(List<FileInfo> files)

{

var dirInf = new List<DirectoryInfo>();

foreach (var file in files)

{

if (file.Extension == ".mp3" || file.Extension == ".wav")

{

bool flag = true;

for (int i = 0; i < dirInf.Count; i++)

{

if (dirInf[i].FullName == file.Directory.FullName)

flag = false;

}

if (flag)

dirInf.Add(file.Directory);

}

}

foreach ( var e in dirInf)

Console.WriteLine(e);

return dirInf;

}

static void Main(string[] args)

{

List<FileInfo> files = new List<FileInfo>();

foreach (var file in Directory.GetFiles(@"F:\music"))

{

files.Add(new FileInfo(file));

}

foreach (var file in Directory.GetFiles(@"F:\sound"))

{

files.Add(new FileInfo(file));

}

foreach (var file in Directory.GetFiles(@"F:\Classic music"))

{

files.Add(new FileInfo(file));

}

GetAlbums(files);

Console.ReadKey();

}

}

}