﻿using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.IO;

namespace K4pavyzdinis

{

class Program

{

const string duom = "..\\..\\duom.txt";

const string rez = "..\\..\\rez.txt";

static void Main(string[] args)

{

string sk = "() ;:'\"?.!,/\n\r\t";

string zod;

int me = 0;

RastiZTekste(duom, sk, out zod, ref me);

if (File.Exists(rez))

File.Delete(rez);

if (zod != "")

{

Console.WriteLine(zod + " " + me);

PerkeltiEilute(duom, rez, me);

}

else

{

Console.WriteLine("Žodžių nėra");

}

//string e = "aaa, 1234 bbb, ccc, eey?!, aye lmaoe";

//Console.WriteLine(SkirtBalsiuSkaicius(e));

//Console.WriteLine(RastiZodiEil(e, sk));

}

static int SkirtBalsiuSkaicius(string e)

{

string balsės = "aeiuyo";

int kiek = 0;

for (int i = 0; i < balsės.Length; i++)

{

if (e.IndexOf(balsės[i]) != -1)

{

kiek++;

}

}

return kiek;

}

static string RastiZodiEil(string e, string sk)

{

string eil = "";

string[] parts = e.Split(sk.ToCharArray(), StringSplitOptions.RemoveEmptyEntries);

foreach (string x in parts)

{

if (SkirtBalsiuSkaicius(x) == 3)

{

if (eil == "" || x.Length < eil.Length)

{

eil = x;

}

}

}

return eil;

}

static void RastiZTekste(string fv, string sk, out string zod, ref int me)

{

zod = "";

using (StreamReader reader = new StreamReader(fv))

{

string line;

int n = 0;

while ((line = reader.ReadLine()) != null)

{

n++;

string pagalb = RastiZodiEil(line, sk);

if (zod == "" || pagalb.Length < zod.Length)

{

zod = pagalb;

me = n;

}

}

}

}

static void PerkeltiEilute(string fvd, string fvr, int n)

{

string pagalb = "";

using (StreamReader reader = new StreamReader(fvd))

{

for (int i = 0; i < n; i++)

{

pagalb = reader.ReadLine();

}

}

using (StreamReader reader = new StreamReader(fvd))

{

using (var fr = File.AppendText(fvr))

{

string line;

fr.WriteLine(pagalb);

for (int i = 1; i < n && ((line = reader.ReadLine()) != null); i++)

{

fr.WriteLine(line);

}

reader.ReadLine();

while((line = reader.ReadLine()) != null)

{

fr.WriteLine(line);

}

}

}

}

}

}