Zavdannya 6

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Threading;

using System.IO;

using System.Security.Cryptography.X509Certificates;

using System.Runtime.InteropServices;

using System.Net.Configuration;

namespace ConsoleApp10

{

delegate int monspeed();

delegate int monheight();

class plane

{

int straf;

string weather;

int speed;

int height;

List<dispetcher> disp;

public plane(int n, string w)

{

disp = new List<dispetcher>(n);

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

{

string name = Console.ReadLine();

disp.Add(new dispetcher(name));

}

speed = 0;

height = 0;

weather = w;

straf = 0;

}

public void start()

{

int x;

bool flying = true;

monspeed ms = getspeed;

monheight mh = getheight;

while (flying)

{

if (disp.Count < 2)

{

Console.WriteLine("Полет невозможен");

break;

}

else

{

while (speed <= 50)

{

speed += 5;

Thread.Sleep(100);

}

x = disp[0].monitor(ms, mh, weather);

if (x == 404)

{

Console.WriteLine("Черезвычайная ситуация");

break;

}

else if(x == 403)

{

Console.WriteLine("Polet okonchen");

break;

}

else

{

straf += x;

}

if (speed > 1000)

{

straf += 100;

Console.WriteLine("Nemedlenno snizte skorost");

}

if (straf > 999)

{

Console.WriteLine("Ne prigoden");

break;

}

char control = Console.ReadKey().KeyChar;

if(control == 'w')

{

height += 250;

}

else if (control == 's')

{

height -= 250;

}

else if (control == 'a')

{

speed -= 50;

}

else if (control == 'd')

{

speed += 50; ;

}

Console.WriteLine("Udalit despetchera - 0, dobavit - 1");

int y = Convert.ToInt32(Console.ReadLine());

if(y == 0)

{

deldisp();

}

else if(y == 1)

{

adddisp();

}

Thread.Sleep(100);

}

}

}

public void adddisp()

{

Console.WriteLine("Imya dispetchra");

string x = Console.ReadLine();

disp.Add(new dispetcher(x));

}

public void deldisp()

{

disp.Remove(disp[0]);

}

public int getspeed()

{

return speed;

}

public int getheight()

{

return height;

}

}

class dispetcher

{

int count;

string name;

public string Name

{

get

{

return name;

}

}

public dispetcher(string n)

{

count = 0;

name = n;

}

public int monitor(monspeed speed, monheight height, string weather)

{

int z = 0;

int straf = 0;

int s = speed();

int h = height();

int N;

if (s < 50)

{

count++; ;

}

if(count == 2)

{

return 403;

}

if (weather == "sunny")

{

N = -200;

}

else

{

N = 200;

}

int recomend = 7 \* s - N;

Console.WriteLine("Speed: " + s + "height" + h +" Recomended speed: " + recomend + "\n");

if (z == 1)

{

if (s >= 50)

{

z++;

Console.WriteLine("Управление передаеться пилоту");

}

}

if ((h - recomend) >= 300 && (h - recomend) <= 600)

{

Console.WriteLine("Штрафные очки: 25\n");

straf += 25;

}

else if ((h - recomend) >= 600 && (h - recomend) <= 1000)

{

Console.WriteLine("Штрафные очки: 50\n");

straf += 50;

}

else if ((h - recomend) >= 1000)

{

return 404;

}

if (s < 0)

{

return 404;

}

return straf;

}

}

class Program

{

static void Main(string[] args)

{

plane p = new plane(2, "sunny");

p.start();

}

}

}

Zadanie 1

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Threading;

using System.IO;

using System.Security.Cryptography.X509Certificates;

using System.Runtime.InteropServices;

using System.Net.Configuration;

using System.Security.AccessControl;

namespace ConsoleApp10

{

class zooshop

{

string animal;

string gender;

string name;

int price;

int quantity;

public zooshop(string path)

{

FileStream f = new FileStream(@"d:\temp.txt", FileMode.Open, FileAccess.Read);

StreamReader sr = new StreamReader(f, Encoding.UTF8);

string x = sr.ReadLine();

string[] arr = x.Split();

animal = arr[0];

gender = arr[1];

name = arr[2];

price = Convert.ToInt32(arr[3]);

quantity = Convert.ToInt32(arr[4]);

}

public zooshop()

{

animal = Console.ReadLine();

gender = Console.ReadLine();

name = Console.ReadLine();

price = Convert.ToInt32(Console.ReadLine());

quantity = Convert.ToInt32(Console.ReadLine());

}

public zooshop(string a, string g, string n, int p, int q)

{

animal = a;

gender = g;

name = n;

price = p;

quantity = q;

}

public zooshop(zooshop a)

{

animal = a.animal;

gender = a.gender;

name = a.name;

price = a.price;

quantity = a.quantity;

}

public void sell()

{

if (quantity == 0)

{

Console.WriteLine("Net v nalichii");

}

else

{

quantity -= 1;

}

}

~zooshop()

{

}

}

class Program

{

static void Main(string[] args)

{

zooshop shop;

Console.WriteLine("S faila - 1, s klaviatury - 2");

int x = Convert.ToInt32(Console.ReadLine());

if (x == 1)

{

Console.WriteLine("Vvedite putb: ");

string path = Console.ReadLine();

shop = new zooshop(path);

}

else if(x == 2)

{

string animal = Console.ReadLine();

string gender = Console.ReadLine();

string name = Console.ReadLine();

int price = Convert.ToInt32(Console.ReadLine());

int quantity = Convert.ToInt32(Console.ReadLine());

shop = new zooshop(animal, gender, name, price, quantity);

}

}

}

}