Лабораторная робота 11

Наследование

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using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Lab\_11

{

public class Worker

{

static public Random rnd = new Random();

public int sallary;

private string name;

private int numberYearsUntilRetirement;

public Worker(string Name)

{

name = Name;

sallary = 250;

numberYearsUntilRetirement = 40;

}

public void Work()

{

if(numberYearsUntilRetirement-1>=0) numberYearsUntilRetirement--;

sallary += 10;

}

public void information()

{

Console.WriteLine("У {0} зарплата равна {1}.", name, sallary);

}

public void premium()

{

sallary += rnd.Next(50,100);

}

private void penalty(int value) { sallary -= value; if (sallary < 0) sallary += value; }

public int Penalty { set { penalty(value); } }

public int getHalfSallary()

{

return sallary / 2;

}

}

}

namespace Lab\_11

{

class Kommander : Worker

{

public Kommander(string s) : base(s)

{

sallary = 500;

}

new public void Work()

{

sallary += 100;

}

new public void premium()

{

sallary += rnd.Next(50, 100)\*3;

}

public void setSallary(int value)

{

sallary = value;

}

new public int Penalty;

}

}

namespace Lab\_11

{

class Program

{

static void Main(string[] args)

{

Worker Dima = new Worker("Dima");

Worker Kolya = new Worker("Kolya");

Kommander Igor = new Kommander("Игорь Андреевич");

Dima.Work(); Kolya.Work(); Igor.Work();

Dima.premium(); Kolya.premium(); Igor.premium();

Dima.information();

Dima.Penalty = 100;

Dima.information(); Kolya.information(); Igor.information();

Igor.setSallary(Kolya.getHalfSallary() \* 6);

Igor.Penalty = 600;

Igor.information();

Console.WriteLine("Для выхода нажмите Enter");

Console.ReadLine();

}

}

}

