

```

using System;
using System.CodeDom.Compiler;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Diagnostics;
using System.Drawing;
using System.IO;
using System.Linq;
using System.Text;
using System.Text.RegularExpressions;
using System.Threading.Tasks;
using System.Windows.Forms;

namespace ConsoleFormsC_
{
    public partial class это_точно_cmd : Form
    {
        String direct = Directory.GetCurrentDirectory();
        String absDirect = Directory.GetCurrentDirectory();
        String dir = "localhost:~";
        Stopwatch watch = new Stopwatch();

        public static void CreateFile(string filename, string containment)
        {
            File.Create(filename).Close();
            FileInfo temp = new FileInfo(filename);
            File.WriteAllText(temp.FullName, containment);
            // string folderPath = Path.Combine(Directory.GetCurrentDirectory() + "/folder", "aaa");
            //Directory.CreateDirectory(folderPath);
        }
    }
}

```

```

public static void CreateDirectory(string path, string name)
{
    string folderPath = Path.Combine(path, name);
    Directory.CreateDirectory(folderPath);
}

public это_точно_cmd()
{
    watch.Start();

    PictureBox pictureBox = new PictureBox();
    InitializeComponent();
    imgItsOk.Load(Directory.GetCurrentDirectory() + @"\imgs\eyes-black.gif");
    imgItsOk.SizeMode = PictureBoxSizeMode.StretchImage;

    lblCurDir.Text = dir;
}

private void tableLayoutPanel1_Paint(object sender, PaintEventArgs e)
{
}

private void textBox1_TextChanged(object sender, EventArgs e)
{
}

private void exit_Click(object sender, EventArgs e)
{
    watch.Stop();
    Close();
}

```

```
}
```

```
private void output_Click(object sender, EventArgs e)
```

```
{
```

```
}
```

```
private void imgItsOk_Click(object sender, EventArgs e)
```

```
{
```

```
}
```

```
private void upperTextBoxChecker_Tick(object sender, EventArgs e)
```

```
{
```

```
    if (upperTextBox.Text == "a")
```

```
    {
```

```
        lowerTextBox.Text = "abrocos";
```

```
    }
```

```
    else
```

```
    {
```

```
        lowerTextBox.Text = upperTextBox.Text;
```

```
    }
```

```
    upperTextBoxChecker.Stop();
```

```
}
```

```
private void label1_Click(object sender, EventArgs e)
```

```
{
```

```
}
```

```
private void это_точно_cmd_Load(object sender, EventArgs e)
```

```
{
```

```
}
```

```
private void lblDir_Click(object sender, EventArgs e)
```

```
{
```

```
}
```

```
private void checking(object sender, KeyEventArgs e)
```

```
{
```

```
    if (e.KeyValue == 13)
```

```
    {
```

```
        compiling();
```

```
        upperTextBox.Text = null;
```

```
    }
```

```
}
```

```
public void compiling()
```

```
{
```

```
    lowerTextBox.Text = null;
```

```
    String input = upperTextBox.Text.Substring(0, upperTextBox.Text.Length-2);
```

```
    //System.Console.Write(dir + "# ");
```

```
    // input = System.Console.ReadLine();
```

```
    upperTextBox.Text = null;
```

```
    if (input.Length < 2) // таких команд точно нет
```

```
        lowerTextBox.Text = "too short!";
```

```
    else if (input == "exit")
```

```
    {
```

```
        watch.Stop();
```

```
        Close();
```

```

}

else if (input.Length > 1 && input.Substring(0, 2) == "cd") // меняет текущую директорию
{
    if (input == "cd")
    {
        string[] tempDir = dir.Split('\\');
        string[] tempDirect = direct.Split('\\');
        string[] tempAbsDirect = absDirect.Split('\\');
        if ((tempAbsDirect.Length) >= tempDirect.Length)
        {
            dir = "localhost:~";
            direct = absDirect;
            lblCurDir.Text = dir;
        }
        else
        {
            // string[] tempDir = dir.Split('\\');
            // string[] tempDirect = direct.Split("\\");
            dir = tempDir[0];
            direct = tempDirect[0];
            for (int i = 1; i < (tempDir.Length - 1); i++)
            {
                dir += "\\" + tempDir[i];
            }
            for (int i = 1; i < (tempDirect.Length - 1); i++)
            {
                direct += "\\" + tempDirect[i];
            }
            lblCurDir.Text = dir;
        }
    }
}

```

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        else if (input.Length>3 && Directory.Exists(direct + "\\ " + input.Substring(3)) &&
input.Substring(3, 1) != " ")

        {

            dir += "\\ " + input.Substring(3);

            direct += "\\ " + input.Substring(3);

            lblCurDir.Text = dir;

        }

        else

        {

            lowerTextBox.Text = "\"cd: can't do to \" + input.Substring(3) + \": No such file or
directory\"";

        }

    }

    else if (input == "clear") // очищает консоль

    {

        // watch.Restart();

        lowerTextBox.Text = null;

    }

    else if ((input.Length == 2 && input.Substring(0, 2) == "ls") | (input.Length >= 3 &&
input.Substring(0, 3) == "ls ")) // проверка на вывод данных

    {

        if (input.Length < 4) // что помельче

        {

            var x = new DirectoryInfo(direct);

            FileInfo[] files = x.GetFiles();

            string str = "";

            lowerTextBox.ForeColor = Color.Magenta;

            foreach (var director in System.IO.Directory.GetDirectories(direct))

            {

                var tempDir = new DirectoryInfo(director);

                var tempDirName = tempDir.Name;

                //System.Console.ForegroundColor = ConsoleColor.Magenta;

                //System.Console.Write(tempDirName + '\t');

```

```

        lowerTextBox.Text += tempDirName + '\t';

        //str += tempDirName + "\t";
    }

    lowerTextBox.ForeColor = Color.White;

    //System.Console.ForegroundColor = ConsoleColor.White;

    foreach (FileInfo file in files)
    {
        str = str + file.Name + '\t';
    }

    //System.Console.WriteLine(str);

    lowerTextBox.Text += str;
}

else // вывод из другого файла
{
    if (File.Exists(direct + '\\' + input.Substring(3)))
    {
        string text = File.ReadAllText(direct + '\\' + input.Substring(3));

        //System.Console.WriteLine(text);

        lowerTextBox.Text = text;
    }

    else if (Directory.Exists(direct + '\\' + input.Substring(3)))
    {
        var x = new DirectoryInfo(direct + '\\' + input.Substring(3));

        FileInfo[] files = x.GetFiles();

        string str = "";

        lowerTextBox.ForeColor = Color.Magenta;

        foreach (var director in System.IO.Directory.GetDirectories(direct + '\\' +
input.Substring(3)))
        {
            var tempDir = new DirectoryInfo(director);

            var tempDirName = tempDir.Name;

            // System.Console.ForegroundColor = ConsoleColor.Magenta;

```

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        lowerTextBox.Text += tempDirName + '\t';
        // System.Console.Write(tempDirName + '\t');
        //str += tempDirName + "\t";
    }
    //System.Console.ForegroundColor = ConsoleColor.White;
    lowerTextBox.ForeColor = Color.White;
    foreach (FileInfo file in files)
    {
        str = str + file.Name + '\t';
    }
    //System.Console.WriteLine(str);
    lowerTextBox.Text += str;
}
else
{
    //System.Console.WriteLine(input + ": No such file or directory");
    lowerTextBox.Text += input + ": No such file or directory";
}
}

}

else if (input == "echo") // определяем создание фйлов/вывод на экран(1)
{
    //System.Console.WriteLine();
    lowerTextBox.Text = null;
}

else if (input.Length > 4 && input.Substring(0, 5) == "mkdir") // создаём директорию
{
    if (input.Length < 6)
        lowerTextBox.Text = "no such command";
    else
        Directory.CreateDirectory(direct + '\\' + input.Substring(6));
}

```



```

    }

    else if (input.Length > 4 && input.Substring(0, 5) == "echo ") // определяем создание
    фйлов/вывод на экран(2)
    {
        string[] sp = input.Split(' ');
        if (sp.Length > 2)
            if (sp[2] == ">")
                CreateFile(direct + "\\\" + sp[3], sp[1]);
            else
                lowerTextBox.Text = "no command " + input + " found";
                //System.Console.WriteLine("no command " + input + " found");
        else if (sp.Length == 2)
            lowerTextBox.Text = sp[1];
            //System.Console.WriteLine(sp[1]);

        else if (sp.Length == 1)
            lowerTextBox.Text = null;
            //System.Console.WriteLine();
        else
            lowerTextBox.Text = "no command " + input + " found";
            // System.Console.WriteLine("no command " + input + " found");
    }

    else if (input == "uptime") // находим текущее время и время работы cmd
    {
        string time = DateTime.Now.ToString("h:mm:ss tt");
        lowerTextBox.Text = time + " " + watch.ElapsedMilliseconds/60000 + " min";
        //    System.Console.WriteLine(time + " " + watch.ElapsedMilliseconds / 3600 + " min");
    }

    else if (input.Length > 4 && input.Substring(0, 5) == "head ")
    {
        if (File.Exists(direct + "\\\" + input.Substring(5)))
        {
            var tempText = File.ReadAllLines(direct + "\\\" + input.Substring(5));

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        for (int i = 0; i < tempText.Length; i++)
        {
            if (i == 10)
                break;

            System.Console.WriteLine(tempText[i]);
        }
    }

    else if (input.Length>4 && input.Substring(0, 3) == "chi")
    {
        if (File.Exists(direct + '\\' + input.Substring(4)))
            imgItsOk.Load(direct + '\\' + input.Substring(4));
        else
            lowerTextBox.Text = "c: " + input.Substring(4) + " no such file or directory";
    }

    else
    {
        lowerTextBox.Text = "no command " + input + " found";
        //System.Console.WriteLine("no command " + input + " found");
    }

}

}

}

```