



# "IT or not IT?"



Erasmus+

Reaching our goals equipped with modern tools.

## Programming workshop

We prepared five blocks of code in C# language which students had to copy in to visual studio where was prepared everything for them – it was a simple task about basic programming.

So they had text file with blocks of code:

### Example Code

The code is jumbled(mixed). You must copy whole block (blocks have yellow background) into visual studio.

---

```
MessageBox.Show("Blue stickman is a winner!");  
xRed = 3;  
xBlue = 3;  
Canvas.Refresh();
```

---

```
MessageBox.Show("It's a draw!");  
xRed = 3;  
xBlue = 3;  
Canvas.Refresh();
```

---

```
Graphics kp = e.Graphics;  
kp.DrawImage(Img1, xRed, yRed, width, height);  
kp.DrawImage(Img2, xBlue, yBlue, width, height);
```

---

```
MessageBox.Show("Red stickman is a winner!");  
xRed = 3;  
xBlue = 3;  
Canvas.Refresh();
```

---

```
int width = 70;  
int height = 70;  
int xRed = 3;  
int yRed = 130;  
int xBlue = 3;  
int yBlue = 160;
```

```
Random rnd = new Random();
```

```
Image Img1 = Image.FromFile("Stickman_Red.png");
```

```
Image Img2 = Image.FromFile("Stickman_Blue.png");
```

---



# "IT or not IT?"



Erasmus+

Reaching our goals equipped with modern tools.

A print screen of the setup we prepared in Visual studio where students pasted the code with information:

```
using System.Windows.Forms;

namespace Erasmus
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }

        Paste code here

        private void Canvas_Paint(object sender, PaintEventArgs e)
        {
            Paste code here
        }

        private void button_move_Click(object sender, EventArgs e)
        {
            xBlue += rnd.Next(1, 11) * 5;
            xRed += rnd.Next(1, 11) * 5;
            Canvas.Refresh();

            if (xRed > 1280 && xBlue > 1280)
            {
                Paste code here
            }
            else
            {
                if (xRed > 1280)
                {
                    Paste code here
                }

                if (xBlue > 1280)
                {
                    Paste code here
                }
            }
        }
    }
}
```



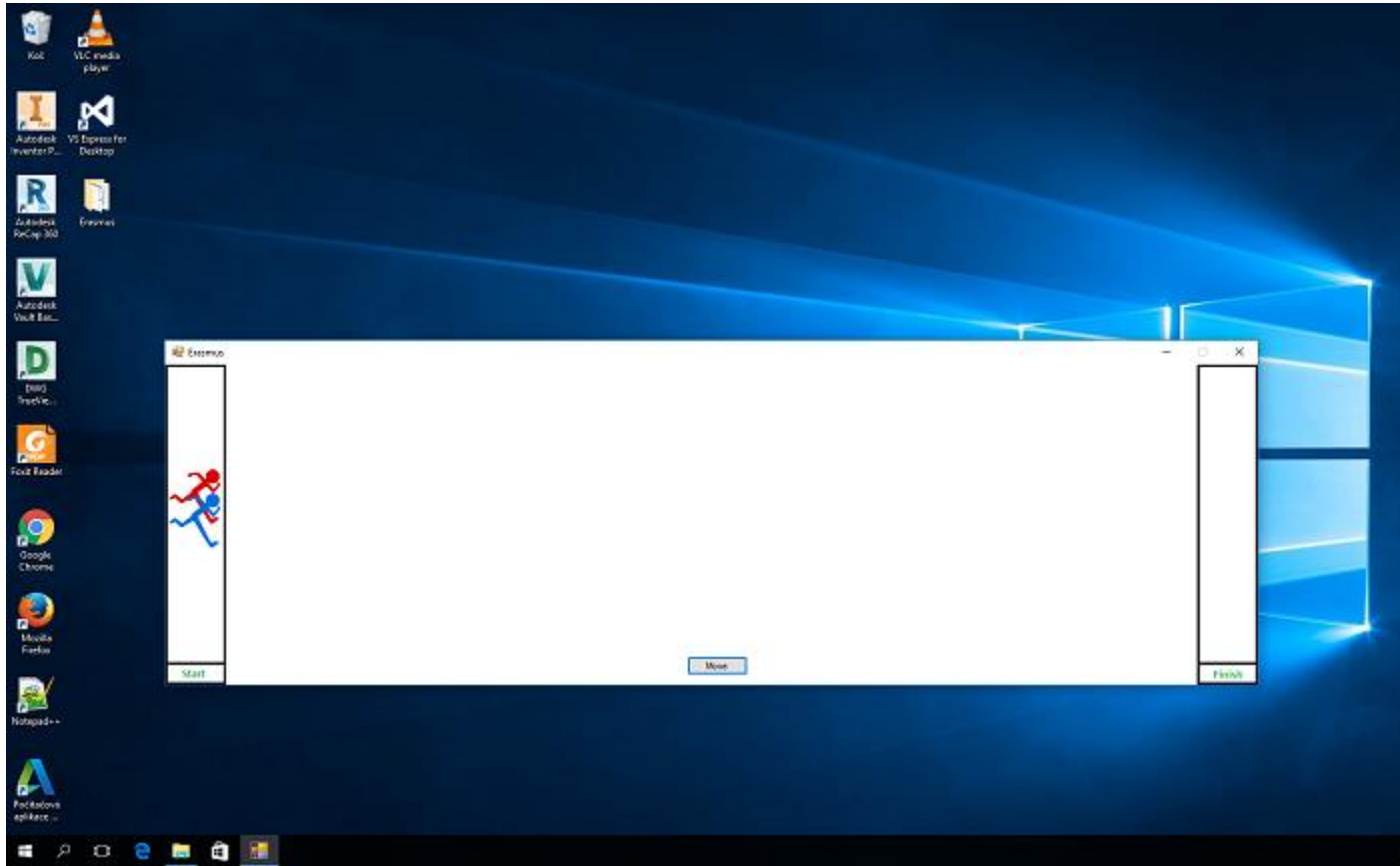
# "IT or not IT?"



Erasmus+

Reaching our goals equipped with modern tools.

When they correctly copied the code, it created simple game – two figured men running across the PC screen:



Everyone, even people who have never tried programming before, sooner or later successfully passed the task and made it.

Prepared for the 5<sup>th</sup> Learning Activity in project Erasmus+: "IT or not IT - reaching our goals equipped with modern tools."

David Prokeš, Josef Bouše, Petr Veselý (VOŠ a SOŠ Breznice, Czech Republic, 3<sup>rd</sup> year IT students)