[C# WPF Tutorial #15 – GridSplitter](https://www.youtube.com/watch?v=wjhBhOroS0E&list=PLih2KERbY1HHOOJ2C6FOrVXIwg4AZ-hk1&index=15)

A screenshot of a computer

Description automatically generated

Full Code here:

<Window x:Class="\_15\_WPF\_Tutorial\_v1.MainWindow"

xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"

xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"

xmlns:d="http://schemas.microsoft.com/expression/blend/2008"

xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"

xmlns:local="clr-namespace:\_15\_WPF\_Tutorial\_v1"

mc:Ignorable="d"

Title="MainWindow" Height="400" Width="400">

<Grid>

<Grid.RowDefinitions>

<RowDefinition Height="50"/>

<RowDefinition/>

<RowDefinition Height="5"/>

<RowDefinition Height="10"/>

</Grid.RowDefinitions>

<Rectangle Fill="Red"/>

<Grid Grid.Row="1">

<Grid.ColumnDefinitions>

<ColumnDefinition/>

<ColumnDefinition Width="5"/>

<ColumnDefinition/>

<ColumnDefinition Width="5"/>

<ColumnDefinition/>

</Grid.ColumnDefinitions>

<Rectangle Fill="Yellow"/>

<GridSplitter Grid.Column="1" HorizontalAlignment="Stretch"/>

<Rectangle Grid.Column="2" Fill="Orange"/>

<GridSplitter Grid.Column="3" HorizontalAlignment="Stretch"/>

<Rectangle Grid.Column="4" Fill="Green"/>

</Grid>

<GridSplitter Grid.Row="2" HorizontalAlignment="Stretch"/>

<Rectangle Grid.Row="3" Fill="Blue"/>

</Grid>

</Window>

# Start new WPF solution in Visual Studio.

A black screen with white text

Description automatically generated

A black rectangular object with a black background

Description automatically generated

# Name it:

A screenshot of a computer

Description automatically generated

# Starting point. Code looks like this initially.

MainWindow.xaml

<Window x:Class="\_15\_WPF\_Tutorial\_v1.MainWindow"

xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"

xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"

xmlns:d="http://schemas.microsoft.com/expression/blend/2008"

xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"

xmlns:local="clr-namespace:\_15\_WPF\_Tutorial\_v1"

mc:Ignorable="d"

Title="MainWindow" Height="450" Width="800">

<Grid>

</Grid>

</Window>

MainWindow.xaml.cs

using System.Windows;

namespace \_15\_WPF\_Tutorial\_v1

{

public partial class MainWindow : Window

{

public MainWindow()

{

InitializeComponent();

}

}

}

# Add the following code

MainWindow.xaml

<Window x:Class="\_15\_WPF\_Tutorial\_v1.MainWindow"

xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"

xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"

xmlns:d="http://schemas.microsoft.com/expression/blend/2008"

xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"

xmlns:local="clr-namespace:\_15\_WPF\_Tutorial\_v1"

mc:Ignorable="d"

Title="MainWindow" Height="400" Width="400">

<Grid>

<Grid.RowDefinitions>

<RowDefinition Height="50"/>

<RowDefinition/>

<RowDefinition Height="5"/>

<RowDefinition Height="10"/>

</Grid.RowDefinitions>

<Rectangle Fill="Red"/>

<Grid Grid.Row="1">

<Grid.ColumnDefinitions>

<ColumnDefinition/>

<ColumnDefinition Width="5"/>

<ColumnDefinition/>

<ColumnDefinition Width="5"/>

<ColumnDefinition/>

</Grid.ColumnDefinitions>

<Rectangle Fill="Yellow"/>

<GridSplitter Grid.Column="1" HorizontalAlignment="Stretch"/>

<Rectangle Grid.Column="2" Fill="Orange"/>

<GridSplitter Grid.Column="3" HorizontalAlignment="Stretch"/>

<Rectangle Grid.Column="4" Fill="Green"/>

</Grid>

<GridSplitter Grid.Row="2" HorizontalAlignment="Stretch"/>

<Rectangle Grid.Row="3" Fill="Blue"/>

</Grid>

</Window>