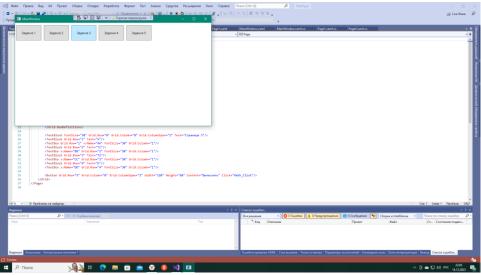
```
4.12.23
```

```
main page
Листинг интерфейса
<Window x:Class="WpfApp3.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:WpfApp3"
    mc:Ignorable="d"
    Title="MainWindow" Height="450" Width="800">
 <Grid>
    <Grid.RowDefinitions>
      <RowDefinition Height="80"/>
      <RowDefinition/>
    </Grid.RowDefinitions>
    <StackPanel Orientation="Horizontal">
      <Button Click="b1_Click" Name="b1" Margin="5" Height="60" Width="100"
Content="Задание 1"/>
      <Button Click="b2 Click" Name="b2" Margin="5" Height="60" Width="100"
Content="Задание 2"/>
      <Button Click="b3" Click" Name="b3" Margin="5" Height="60" Width="100"
Content="Задание 3"/>
      <Button Click="b4_Click" Name="b4" Margin="5" Height="60" Width="100"
Content="Задание 4"/>
      <Button Click="b5_Click" Name="b5" Margin="5" Height="60" Width="100"
Content="Задание 5"/>
    </StackPanel>
    <Frame x:Name="MyFrame" Grid.Row="1" NavigationUIVisibility="Hidden"</pre>
Navigated="MyFrame_Navigated"/>
 </Grid>
</Window>
Листинг прогаммы
```

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System. Windows;
using System.Windows.Controls;
using System.Windows.Data;
using System.Windows.Documents;
using System.Windows.Input;
using System.Windows.Media;
using System. Windows. Media. Imaging;
using System. Windows. Navigation;
using System. Windows. Shapes;
namespace WpfApp3
{
  /// <summary>
  /// Логика взаимодействия для MainWindow.xaml
  /// </summary>
  public partial class MainWindow : Window
  {
    public MainWindow()
      InitializeComponent();
    }
    private void b1_Click(object sender, RoutedEventArgs e)
      MyFrame.Navigate(new Page1());
    }
```

```
private void b2_Click(object sender, RoutedEventArgs e)
    {
      MyFrame.Navigate(new Page2());
    }
    private void b3_Click(object sender, RoutedEventArgs e)
    {
      MyFrame.Navigate(new Page3());
    }
    private void b4_Click(object sender, RoutedEventArgs e)
    {
      MyFrame.Navigate(new Page4());
    }
    private void b5_Click(object sender, RoutedEventArgs e)
    {
      MyFrame.Navigate(new Page5());
    private void MyFrame_Navigated(object sender, NavigationEventArgs e)
    {
    }
  }
}
```



```
Задание 1
Листинг интерфейса
<Page x:Class="WpfApp3.Page1"
   xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
   xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
   xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"
   xmlns:d="http://schemas.microsoft.com/expression/blend/2008"
   xmlns:local="clr-namespace:WpfApp3"
   mc:Ignorable="d"
   d:DesignHeight="450" d:DesignWidth="800"
   Title="Page1">
  <Grid>
    <Grid.RowDefinitions>
      <RowDefinition Height="60"/>
      <RowDefinition />
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
    </Grid.RowDefinitions>
    <Grid.ColumnDefinitions>
```

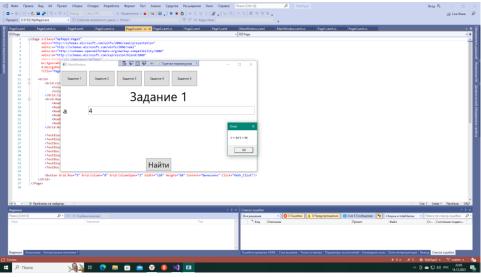
```
<ColumnDefinition Width="100"/>
      <ColumnDefinition/>
    </Grid.ColumnDefinitions>
    <TextBlock FontSize="50" HorizontalAlignment="Center" VerticalAlignment="Center"
Grid.ColumnSpan="2" Text="Задание 1"/>
    <TextBlock Margin="10" Grid.Row="1" Text="a" FontSize="30" VerticalAlignment="Center"/>
    <TextBox x:Name="AA" FontSize="25" Margin="10" Grid.Row="1" Grid.Column="1" />
    <Button Click="Button_Click" Content="Hайти" FontSize="30" Grid.Row="5" Height="50"
Width="100" Grid.ColumnSpan="2"/>
  </Grid>
</Page>
Листинг программы
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System. Windows;
using System.Windows.Controls;
using System.Windows.Data;
using System.Windows.Documents;
using System.Windows.Input;
using System.Windows.Media;
using System. Windows. Media. Imaging;
using System. Windows. Navigation;
using System. Windows. Shapes;
using static System. Math;
namespace WpfApp3
{
  /// <summary>
```

```
/// Логика взаимодействия для Page1.xaml
/// </summary>
public partial class Page1 : Page
{
    public Page1()
    {
        InitializeComponent();
    }

    private void Button_Click(object sender, RoutedEventArgs e)
    {
        double a = double.Parse(AA.Text);
        double V = Pow(a, 3);
        double S = 6 * Pow(a, 2);
        MessageBox.Show($"V = {V} S = {S}", "Ответ");
    }
```

}

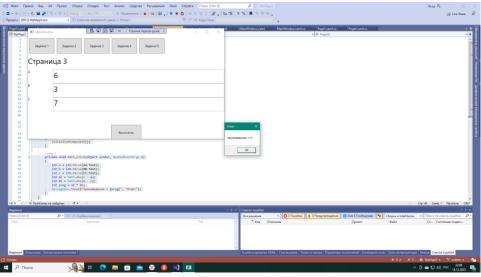
}



```
Задание 2
Листинг интерфейса
<Page x:Class="WpfApp3.Page2"
  xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
  xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
  xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"
  xmlns:d="http://schemas.microsoft.com/expression/blend/2008"
  xmlns:local="clr-namespace:WpfApp3"
   mc:Ignorable="d"
   d:DesignHeight="450" d:DesignWidth="800"
  Title="Page2">
  <Grid>
    <Grid.ColumnDefinitions>
      <ColumnDefinition Width="100"/>
      <ColumnDefinition/>
    </Grid.ColumnDefinitions>
    <Grid.RowDefinitions>
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
```

```
<RowDefinition/>
      <RowDefinition/>
    </Grid.RowDefinitions>
    <TextBlock FontSize="30" Grid.Row="0" Grid.Column="0" Grid.ColumnSpan="2"
Text="Страница 3"/>
    <TextBlock Grid.Row="1" Text="A"/>
    <TextBox Grid.Row="1" x:Name="AA" FontSize="30" Grid.Column="1"/>
    <TextBlock Grid.Row="2" Text="B"/>
    <TextBox x:Name="BB" Grid.Row="2" FontSize="30" Grid.Column="1"/>
    <TextBlock Grid.Row="3" Text="C"/>
    <TextBox x:Name="CC" Grid.Row="3" FontSize="30" Grid.Column="1"/>
    <Button Grid.Row="5" Grid.Column="0" Grid.ColumnSpan="2" Width="120" Height="60"
Content="Вычислить" Click="Math_Click"/>
  </Grid>
</Page>
Листинг программы
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows;
using System.Windows.Controls;
using System.Windows.Data;
using System. Windows. Documents;
using System.Windows.Input;
using System.Windows.Media;
using System. Windows. Media. Imaging;
using System. Windows. Navigation;
using System. Windows. Shapes;
```

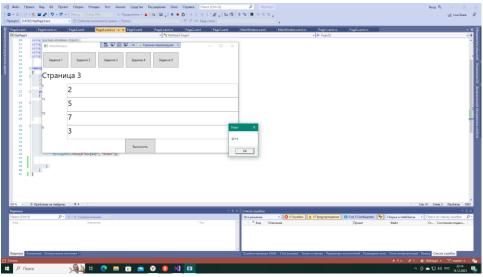
```
namespace WpfApp3
{
 /// <summary>
 /// Логика взаимодействия для Page2.xaml
  /// </summary>
  public partial class Page2 : Page
  {
    public Page2()
    {
      InitializeComponent();
    }
    private void Math_Click(object sender, RoutedEventArgs e)
    {
      int a = int.Parse(AA.Text);
      int b = int.Parse(BB.Text);
      int c = int.Parse(CC.Text);
      int AC = Math.Abs(c - a);
      int BC = Math.Abs(b - c);
      int prog = AC * BC;
      MessageBox.Show($"произведение = {prog}", "Ответ");
    }
  }
}
```



```
Задание 3
Листинг интерфейса
<Page x:Class="WpfApp3.Page3"
  xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
  xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
  xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"
  xmlns:d="http://schemas.microsoft.com/expression/blend/2008"
  xmlns:local="clr-namespace:WpfApp3"
   mc:Ignorable="d"
   d:DesignHeight="450" d:DesignWidth="800"
  Title="Page3">
  <Grid>
    <Grid.ColumnDefinitions>
      <ColumnDefinition Width="100"/>
      <ColumnDefinition/>
    </Grid.ColumnDefinitions>
    <Grid.RowDefinitions>
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
```

```
<RowDefinition/>
      <RowDefinition/>
    </Grid.RowDefinitions>
    <TextBlock FontSize="30" Grid.Row="0" Grid.Column="0" Grid.ColumnSpan="2"
Text="Страница 3"/>
    <TextBlock Grid.Row="1" Text="V"/>
    <TextBox Grid.Row="1" x:Name="AA" FontSize="30" Grid.Column="1"/>
    <TextBlock Grid.Row="2" Text="T1"/>
    <TextBox x:Name="BB" Grid.Row="2" FontSize="30" Grid.Column="1"/>
    <TextBlock Grid.Row="3" Text="T2"/>
    <TextBox x:Name="CC" Grid.Row="3" FontSize="30" Grid.Column="1"/>
    <TextBlock Grid.Row="4" Text="U"/>
    <TextBox x:Name="DD" Grid.Row="4" FontSize="30" Grid.Column="1"/>
    <Button Grid.Row="5" Grid.Column="0" Grid.ColumnSpan="2" Width="120" Height="60"
Content="Вычислить" Click="Math_Click"/>
  </Grid>
</Page>
Листинг прогаммы
using System;
using System.Collections.Generic;
using System.Ling;
using System.Text;
using System.Threading.Tasks;
using System.Windows;
using System.Windows.Controls;
using System.Windows.Data;
using System. Windows. Documents;
using System.Windows.Input;
using System.Windows.Media;
using System. Windows. Media. Imaging;
```

```
using System. Windows. Navigation;
using System. Windows. Shapes;
namespace WpfApp3
{
 /// <summary>
  /// Логика взаимодействия для Page3.xaml
  /// </summary>
  public partial class Page3: Page
  {
    public Page3()
      InitializeComponent();
    }
    private void Math_Click(object sender, RoutedEventArgs e)
    {
      double V = double.Parse(AA.Text);
      double T1 = double.Parse(BB.Text);
      double T2 = double.Parse(CC.Text);
      double U = double.Parse(DD.Text);
      double S2 = T1 * V + T2 * (V - U);
      MessageBox.Show($"S2={S2}", "Ответ");
    }
  }
}
```



```
Задание 4
Листинг интерфейса
<Page x:Class="WpfApp3.Page4"
   xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
   xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
   xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"
   xmlns:d="http://schemas.microsoft.com/expression/blend/2008"
   xmlns:local="clr-namespace:WpfApp3"
   mc:Ignorable="d"
   d:DesignHeight="450" d:DesignWidth="800"
   Title="Page4">
  <Grid>
    <Grid.ColumnDefinitions>
      <ColumnDefinition Width="100"/>
      <ColumnDefinition/>
    </Grid.ColumnDefinitions>
    <Grid.RowDefinitions>
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
```

```
<RowDefinition/>
    </Grid.RowDefinitions>
    <TextBlock FontSize="30" Grid.Row="0" Grid.Column="0" Grid.ColumnSpan="2"
Text="Страница 4"/>
    <TextBlock Grid.Row="1" Text="X"/>
    <TextBox Grid.Row="1" x:Name="AA" FontSize="30" Grid.Column="1"/>
    <TextBlock Grid.Row="2" Text="a"/>
    <TextBox Grid.Row="2" x:Name="BB" FontSize="30" Grid.Column="1"/>
    <Button Grid.Row="4" Grid.Column="0" Grid.ColumnSpan="2" Width="120" Height="60"
Content="Вычислить" Click="Math_Click"/>
  </Grid>
</Page>
Листинг программы
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System. Windows;
using System.Windows.Controls;
using System.Windows.Data;
using System. Windows. Documents;
using System.Windows.Input;
using System.Windows.Media;
using System. Windows. Media. Imaging;
using System. Windows. Navigation;
using System. Windows. Shapes;
using static System. Math;
```

namespace WpfApp3

```
{
 /// <summary>
  /// Логика взаимодействия для Page4.xaml
  /// </summary>
  public partial class Page4 : Page
  {
    public Page4()
    {
      InitializeComponent();
    }
    private void Math_Click(object sender, RoutedEventArgs e)
    {
      double x = double.Parse(AA.Text);
      double a = double.Parse(BB.Text);
      double p = 1 / Cos(x) + Log(Abs(Tan(x / 2))) + x / (1 + (x / (1 + x)));
      double alfa = (Pow(p, 5) * Sqrt(a * Pow(x, 3) + 2)) / 2 * Cos(x);
      MessageBox.Show($"alfa={alfa}", "Ответ");
    }
    private int Sqrt(double v)
    {
      throw new NotImplementedException();
    }
    private int Pow(double p, int v)
      throw new NotImplementedException();
    }
    private object Tan(double v)
```

```
throw new NotImplementedException();
    }
    private object Abs(object p)
    {
      throw new NotImplementedException();
    }
    private int Log(object p)
    {
      throw new NotImplementedException();
    }
    private int Cos(double x)
    {
      throw new NotImplementedException();
    }
  }
}
```

{

```
Задание 5
Листинг интерфейса
<Page x:Class="WpfApp3.Page5"
  xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
  xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
  xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"
  xmlns:d="http://schemas.microsoft.com/expression/blend/2008"
  xmlns:local="clr-namespace:WpfApp3"
   mc:Ignorable="d"
   d:DesignHeight="450" d:DesignWidth="800"
  Title="Page5">
  <Grid>
    <Grid.ColumnDefinitions>
      <ColumnDefinition Width="100"/>
      <ColumnDefinition/>
    </Grid.ColumnDefinitions>
    <Grid.RowDefinitions>
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
    </Grid.RowDefinitions>
```

<TextBlock FontSize="30" Grid.Row="0" Grid.Column="0" Grid.ColumnSpan="2"

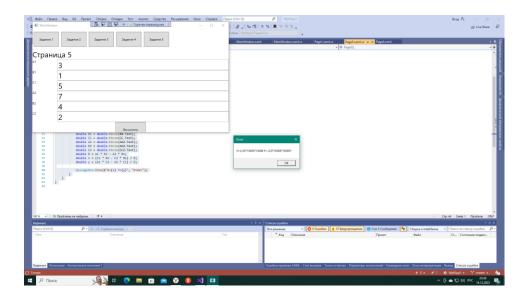
Text="Страница 5"/>

<TextBlock Grid.Row="1" Text="A1"/>

```
<TextBlock Grid.Row="2" Text="B1"/>
    <TextBox x:Name="BB" Grid.Row="2" FontSize="30" Grid.Column="1"/>
    <TextBlock Grid.Row="3" Text="C1"/>
    <TextBox x:Name="CC" Grid.Row="3" FontSize="30" Grid.Column="1"/>
    <TextBlock Grid.Row="4" Text="A2"/>
    <TextBox x:Name="AA2" Grid.Row="4" FontSize="30" Grid.Column="1"/>
    <TextBlock Grid.Row="5" Text="B2"/>
    <TextBox x:Name="BB2" Grid.Row="5" FontSize="30" Grid.Column="1"/>
    <TextBlock Grid.Row="6" Text="C2"/>
    <TextBox x:Name="CC2" Grid.Row="6" FontSize="30" Grid.Column="1"/>
    <Button Grid.Row="7" Grid.Column="0" Grid.ColumnSpan="2" Width="120" Height="60"
Content="Вычислить" Click="Math_Click"/>
  </Grid>
</Page>
Листинг программы
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System. Windows;
using System.Windows.Controls;
using System.Windows.Data;
using System.Windows.Documents;
using System.Windows.Input;
using System.Windows.Media;
using System. Windows. Media. Imaging;
using System. Windows. Navigation;
```

<TextBox Grid.Row="1" x:Name="AA" FontSize="30" Grid.Column="1"/>

```
using System. Windows. Shapes;
namespace WpfApp3
{
 /// <summary>
  /// Логика взаимодействия для Page5.xaml
  /// </summary>
  public partial class Page5: Page
  {
    public Page5()
    {
      InitializeComponent();
    }
    private void Math_Click(object sender, RoutedEventArgs e)
    {
      double A1 = double.Parse(AA.Text);
      double B1 = double.Parse(BB.Text);
      double C1 = double.Parse(CC.Text);
      double A2 = double.Parse(AA2.Text);
      double B2 = double.Parse(AA2.Text);
      double C2 = double.Parse(CC2.Text);
      double D = A1 * B2 - A2 * B1;
      double x = (C1 * B2 - C2 * B1) / D;
      double y = (A1 * C2 - A2 * C1) / D;
      MessageBox.Show($"X={x} Y={y}", "Ответ");
    }
  }
}
```



## 5.12.23

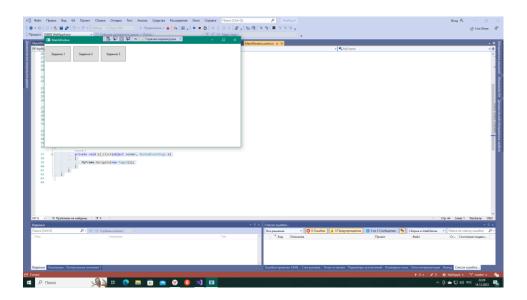
```
Main page
```

Content="Задание 2"/>

```
Листинг интерфейса
<Window x:Class="WpfApp4.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:WpfApp4"
   mc:Ignorable="d"
    Title="MainWindow" Height="450" Width="800">
 <Grid>
    <Grid.RowDefinitions>
      <RowDefinition Height="80"/>
      <RowDefinition/>
    </Grid.RowDefinitions>
    <StackPanel Orientation="Horizontal">
      <Button Click="b1 Click" Name="b1" Margin="5" Height="60" Width="100"
Content="Задание 1"/>
      <Button Click="b2_Click" Name="b2" Margin="5" Height="60" Width="100"
```

```
<Button Click="b3_Click" Name="b3" Margin="5" Height="60" Width="100"
Content="Задание 3"/>
    </StackPanel>
    <Frame x:Name="MyFrame" Grid.Row="1" NavigationUIVisibility="Hidden"/>
  </Grid>
</Window>
Листинг программы
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System. Windows;
using System. Windows. Controls;
using System.Windows.Data;
using System. Windows. Documents;
using System.Windows.Input;
using System.Windows.Media;
using System. Windows. Media. Imaging;
using System. Windows. Navigation;
using System.Windows.Shapes;
namespace WpfApp4
{
  /// <summary>
  /// Логика взаимодействия для MainWindow.xaml
  /// </summary>
  public partial class MainWindow: Window
  {
    public MainWindow()
    {
```

```
InitializeComponent();
  }
    private void b1_Click(object sender, RoutedEventArgs e)
    {
      MyFrame.Navigate(new Page1());
    }
    private void b2_Click(object sender, RoutedEventArgs e)
    {
      MyFrame.Navigate(new Page2());
    }
    private void b3_Click(object sender, RoutedEventArgs e)
    {
      MyFrame.Navigate(new Page3());
    }
  }
}
```

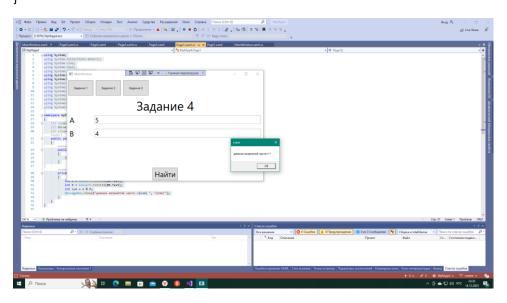


Задание 1 Листинг интерфейса

```
<Page x:Class="WpfApp4.Page1"
   xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
  xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
  xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"
  xmlns:d="http://schemas.microsoft.com/expression/blend/2008"
  xmlns:local="clr-namespace:WpfApp4"
   mc:Ignorable="d"
   d:DesignHeight="450" d:DesignWidth="800"
  Title="Page1">
  <Grid>
    <Grid.RowDefinitions>
      <RowDefinition Height="60"/>
      <RowDefinition />
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
    </Grid.RowDefinitions>
    <Grid.ColumnDefinitions>
      <ColumnDefinition Width="100"/>
      <ColumnDefinition/>
    </Grid.ColumnDefinitions>
    <TextBlock FontSize="50" HorizontalAlignment="Center" VerticalAlignment="Center"
Grid.ColumnSpan="2" Text="Задание 4"/>
    <TextBlock Margin="10" Grid.Row="1" Text="A" FontSize="30" VerticalAlignment="Center"/>
    <TextBox x:Name="AA" FontSize="25" Margin="10" Grid.Row="1" Grid.Column="1" />
    <TextBlock Margin="10" Grid.Row="2" Text="B" FontSize="30" VerticalAlignment="Center"/>
    <TextBox x:Name="BB" FontSize="25" Margin="10" Grid.Row="2" Grid.Column="1" />
    <Button Click="Button_Click" Content="Hайти" FontSize="30" Grid.Row="5" Height="50"
Width="100" Grid.ColumnSpan="2"/>
```

```
</Grid>
</Page>
Листинг программы
using System;
using System.Collections.Generic;
using System.Ling;
using System.Text;
using System.Threading.Tasks;
using System. Windows;
using System.Windows.Controls;
using System.Windows.Data;
using System.Windows.Documents;
using System.Windows.Input;
using System.Windows.Media;
using System.Windows.Media.Imaging;
using System. Windows. Navigation;
using System. Windows. Shapes;
namespace WpfApp4
{
  /// <summary>
  /// Логика взаимодействия для Page1.xaml
  /// </summary>
  public partial class Page1: Page
  {
    public Page1()
      InitializeComponent();
    }
    private void Button_Click(object sender, RoutedEventArgs e)
```

```
{
    int A = Convert.ToInt32(AA.Text);
    int B = Convert.ToInt32(BB.Text);
    int sum = A % B;
    MessageBox.Show($"длинна незанятой части ={sum} ", "ответ");
    }
}
```



Задание 2

```
Листинг интерфейса
```

<Grid.RowDefinitions>

```
<Page x:Class="WpfApp4.Page2"

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

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

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

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

xmlns:local="clr-namespace:WpfApp4"

mc:lgnorable="d"

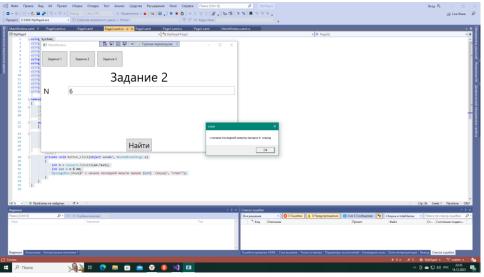
d:DesignHeight="450" d:DesignWidth="800"

Title="Page2">

<Grid>
```

```
<RowDefinition Height="60"/>
      <RowDefinition />
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
    </Grid.RowDefinitions>
    <Grid.ColumnDefinitions>
      <ColumnDefinition Width="100"/>
      <ColumnDefinition/>
    </Grid.ColumnDefinitions>
    <TextBlock FontSize="50" HorizontalAlignment="Center" VerticalAlignment="Center"
Grid.ColumnSpan="2" Text="Задание 2"/>
    <TextBlock Margin="10" Grid.Row="1" Text="N" FontSize="30" VerticalAlignment="Center"/>
    <TextBox x:Name="AA" FontSize="25" Margin="10" Grid.Row="1" Grid.Column="1" />
    <Button Click="Button_Click" Content="Hайти" FontSize="30" Grid.Row="5" Height="50"
Width="100" Grid.ColumnSpan="2"/>
  </Grid>
</Page>
Листинг программы
using System;
using System.Collections.Generic;
using System.Ling;
using System.Text;
using System.Threading.Tasks;
using System.Windows;
using System.Windows.Controls;
using System.Windows.Data;
using System. Windows. Documents;
using System.Windows.Input;
using System.Windows.Media;
using System. Windows. Media. Imaging;
```

```
using System. Windows. Navigation;
using System. Windows. Shapes;
namespace WpfApp4
{
 /// <summary>
 /// Логика взаимодействия для Page2.xaml
  /// </summary>
  public partial class Page2 : Page
  {
    public Page2()
    {
      InitializeComponent();
    }
    private void Button_Click(object sender, RoutedEventArgs e)
    {
      int N = Convert.ToInt32(AA.Text);
      int ost = N % 60;
      MessageBox.Show($" с начала последней минуты прошло {ost} секунд", "ответ");
    }
  }
}
```

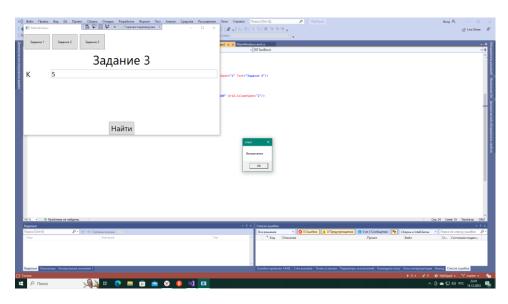


```
Задание 3
Листинг интерфейса
<Page x:Class="WpfApp4.Page3"
   xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
   xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
   xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"
   xmlns:d="http://schemas.microsoft.com/expression/blend/2008"
   xmlns:local="clr-namespace:WpfApp4"
   mc:Ignorable="d"
   d:DesignHeight="450" d:DesignWidth="800"
   Title="Page3">
  <Grid>
    <Grid.RowDefinitions>
      <RowDefinition Height="60"/>
      <RowDefinition />
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
    </Grid.RowDefinitions>
    <Grid.ColumnDefinitions>
```

```
<ColumnDefinition Width="100"/>
      <ColumnDefinition/>
    </Grid.ColumnDefinitions>
    <TextBlock FontSize="50" HorizontalAlignment="Center" VerticalAlignment="Center"
Grid.ColumnSpan="2" Text="Задание 3"/>
    <TextBlock Margin="10" Grid.Row="1" Text="K" FontSize="30" VerticalAlignment="Center"/>
    <TextBox x:Name="AA" FontSize="25" Margin="10" Grid.Row="1" Grid.Column="1" />
    <Button Click="Button_Click" Content="Hайти" FontSize="30" Grid.Row="5" Height="50"
Width="100" Grid.ColumnSpan="2"/>
  </Grid>
</Page>
Листинг программы
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System. Windows;
using System.Windows.Controls;
using System.Windows.Data;
using System.Windows.Documents;
using System.Windows.Input;
using System.Windows.Media;
using System. Windows. Media. Imaging;
using System. Windows. Navigation;
using System. Windows. Shapes;
namespace WpfApp4
{
 /// <summary>
 /// Логика взаимодействия для Page3.xaml
```

```
/// </summary>
public partial class Page3: Page
{
  public Page3()
  {
    InitializeComponent();
  }
  private void Button_Click(object sender, RoutedEventArgs e)
  {
    int k = int.Parse(AA.Text);
    switch ((k + 2) \% 7)
    {
      case 1:
        MessageBox.Show($" Понедельник", "ответ");
        break;
      case 2:
        MessageBox.Show($" Вторник", "ответ");
        break;
      case 3:
        MessageBox.Show($" Среда", "ответ");
        break;
      case 4:
        MessageBox.Show($" Четверг", "ответ");
        break;
      case 5:
        MessageBox.Show($" Пятница", "ответ");
        break;
```

```
case 6:
    MessageBox.Show($" Суббота", "ответ");
    break;
case 0:
    case 7:
    MessageBox.Show($" Воскресенье", "ответ");
    break;
    default:
        MessageBox.Show($"Ошибка ", "ответ");
        break;
}
```



## 5.12.23

# Main page

Листинг интерфейса

```
<Window x:Class="WpfApp2.MainWindow"

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

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

xmIns:d="http://schemas.microsoft.com/expression/blend/2008"</pre>
```

```
xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"
    xmlns:local="clr-namespace:WpfApp2"
    mc:Ignorable="d"
    Title="MainWindow" Height="450" Width="800">
  <Grid>
    <Grid.RowDefinitions>
      <RowDefinition Height="80"/>
      <RowDefinition/>
    </Grid.RowDefinitions>
    <StackPanel Orientation="Horizontal">
      <Button Click="b1_Click" Name="b1" Margin="5" Height="60" Width="100"
Content="Задание 1"/>
      <Button Click="b2_Click" Name="b2" Margin="5" Height="60" Width="100"
Content="Задание 2"/>
      <Button Click="b3" Click" Name="b3" Margin="5" Height="60" Width="100"
Content="Задание 3"/>
      <Button Click="b4_Click" Name="b4" Margin="5" Height="60" Width="100"
Content="Задание 4"/>
      <Button Click="b5_Click" Name="b5" Margin="5" Height="60" Width="100"
Content="Задание 5"/>
    </StackPanel>
    <Frame x:Name="MyFrame" Grid.Row="1" NavigationUIVisibility="Hidden"/>
  </Grid>
</Window>
Листинг прогрраммы
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows;
using System.Windows.Controls;
using System.Windows.Data;
```

```
using System.Windows.Documents;
using System.Windows.Input;
using System.Windows.Media;
using System.Windows.Media.Imaging;
using System. Windows. Navigation;
using System. Windows. Shapes;
namespace WpfApp2
{
 /// <summary>
  /// Логика взаимодействия для MainWindow.xaml
  /// </summary>
  public partial class MainWindow: Window
  {
    public MainWindow()
    {
      InitializeComponent();
    }
    private void b1_Click(object sender, RoutedEventArgs e)
    {
    }
    private void b2_Click(object sender, RoutedEventArgs e)
    {
    }
    private void b3_Click(object sender, RoutedEventArgs e)
    {
```

```
}
    private void b4_Click(object sender, RoutedEventArgs e)
    {
    }
    private void b5_Click(object sender, RoutedEventArgs e)
    {
    }
    private void MyFrame_Navigated(object sender, NavigationEventArgs e)
    {
    }
  }
}
```

Задание 1 Листинг интерфейса <Page x:Class="WpfApp2.Page1"

```
xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
  xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
  xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"
  xmlns:d="http://schemas.microsoft.com/expression/blend/2008"
  xmlns:local="clr-namespace:WpfApp2"
   mc:Ignorable="d"
   d:DesignHeight="450" d:DesignWidth="800"
  Title="Page1">
  <Grid>
    <Grid.RowDefinitions>
      <RowDefinition Height="60"/>
      <RowDefinition />
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
    </Grid.RowDefinitions>
    <Grid.ColumnDefinitions>
      <ColumnDefinition Width="100"/>
      <ColumnDefinition/>
    </Grid.ColumnDefinitions>
    <TextBlock FontSize="50" HorizontalAlignment="Center" VerticalAlignment="Center"
Grid.ColumnSpan="2" Text="Задание 1"/>
    <TextBlock Margin="10" Grid.Row="1" Text="N" FontSize="30" VerticalAlignment="Center"/>
    <TextBox x:Name="AA" FontSize="25" Margin="10" Grid.Row="1" Grid.Column="1"
TextChanged="AA_TextChanged" Text="5" />
    <Button Click="Button_Click" Content="Hайти" FontSize="30" Grid.Row="5" Height="50"
Width="100" Grid.ColumnSpan="2"/>
  </Grid>
</Page>
Листинг программы
```

```
<Page x:Class="WpfApp2.Page2"
   xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
  xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
  xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"
  xmlns:d="http://schemas.microsoft.com/expression/blend/2008"
  xmlns:local="clr-namespace:WpfApp2"
   mc:Ignorable="d"
   d:DesignHeight="450" d:DesignWidth="800"
  Title="Page2">
  <Grid>
    <Grid.RowDefinitions>
      <RowDefinition Height="60"/>
      <RowDefinition />
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
    </Grid.RowDefinitions>
    <Grid.ColumnDefinitions>
      <ColumnDefinition Width="100"/>
      <ColumnDefinition/>
    </Grid.ColumnDefinitions>
    <TextBlock FontSize="50" HorizontalAlignment="Center" VerticalAlignment="Center"
Grid.ColumnSpan="2" Text="Задание 2"/>
    <TextBlock Margin="10" Grid.Row="1" Text="A" FontSize="30" VerticalAlignment="Center"/>
    <TextBox x:Name="AA" FontSize="25" Margin="10" Grid.Row="1" Grid.Column="1" Text="12"
/>
    <TextBlock Margin="10" Grid.Row="2" Text="B" FontSize="30" VerticalAlignment="Center"/>
    <TextBox x:Name="BB" FontSize="25" Margin="10" Grid.Row="2" Grid.Column="1" Text="453"
/>
```

```
<Button Click="Button_Click" Content="Hайти" FontSize="30" Grid.Row="5" Height="50"
Width="100" Grid.ColumnSpan="2"/>
  </Grid>
</Page>
Задания 2
Листинг интерфейса
<Page x:Class="WpfApp2.Page2"
  xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
  xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
  xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"
  xmlns:d="http://schemas.microsoft.com/expression/blend/2008"
  xmlns:local="clr-namespace:WpfApp2"
   mc:Ignorable="d"
   d:DesignHeight="450" d:DesignWidth="800"
  Title="Page2">
  <Grid>
    <Grid.RowDefinitions>
      <RowDefinition Height="60"/>
      <RowDefinition />
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
    </Grid.RowDefinitions>
    <Grid.ColumnDefinitions>
      <ColumnDefinition Width="100"/>
      <ColumnDefinition/>
    </Grid.ColumnDefinitions>
    <TextBlock FontSize="50" HorizontalAlignment="Center" VerticalAlignment="Center"
Grid.ColumnSpan="2" Text="Задание 2"/>
    <TextBlock Margin="10" Grid.Row="1" Text="A" FontSize="30" VerticalAlignment="Center"/>
```

```
<TextBox x:Name="AA" FontSize="25" Margin="10" Grid.Row="1" Grid.Column="1" Text="3" />
    <TextBlock Margin="10" Grid.Row="2" Text="B" FontSize="30" VerticalAlignment="Center"/>
    <TextBox x:Name="BB" FontSize="25" Margin="10" Grid.Row="2" Grid.Column="1" Text="5" />
    <Button Click="Button_Click" Content="Hайти" FontSize="30" Grid.Row="5" Height="50"
Width="100" Grid.ColumnSpan="2"/>
  </Grid>
</Page>
Листинг программы
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System. Windows;
using System. Windows. Controls;
using System.Windows.Data;
using System.Windows.Documents;
using System.Windows.Input;
using System.Windows.Media;
using System. Windows. Media. Imaging;
using System. Windows. Navigation;
using System. Windows. Shapes;
namespace WpfApp2
{
  /// <summary>
  /// Логика взаимодействия для Page2.xaml
  /// </summary>
  public partial class Page2 : Page
  {
    public Page2()
```

```
{
      InitializeComponent();
    }
    private void BB_TextChanged(object sender, TextChangedEventArgs e)
    {
      {
        int a = int.Parse(AA.Text);
        int b = int.Parse(BB.Text);
        if (a > b)
        {
          MessageBox.Show($"второе число меньше первого", "ответ");
        }
        else
        {
          MessageBox.Show($"первое число меньше второго", "ответ");
        }
      }
    }
    private void Button_Click(object sender, RoutedEventArgs e)
    {
    }
  }
Задание 3
Листинг интерфейса
<Page x:Class="WpfApp2.Page3"
   xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
```

```
xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
  xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"
  xmlns:d="http://schemas.microsoft.com/expression/blend/2008"
  xmlns:local="clr-namespace:WpfApp2"
   mc:Ignorable="d"
   d:DesignHeight="450" d:DesignWidth="800"
  Title="Page3">
  <Grid>
    <Grid.RowDefinitions>
      <RowDefinition Height="60"/>
      <RowDefinition />
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
    </Grid.RowDefinitions>
    <Grid.ColumnDefinitions>
      <ColumnDefinition Width="100"/>
      <ColumnDefinition/>
    </Grid.ColumnDefinitions>
    <TextBlock FontSize="50" HorizontalAlignment="Center" VerticalAlignment="Center"
Grid.ColumnSpan="2" Text="Задание 3"/>
    <TextBlock Margin="10" Grid.Row="1" Text="A" FontSize="30" VerticalAlignment="Center"/>
    <TextBox x:Name="AA" FontSize="25" Margin="10" Grid.Row="1" Grid.Column="1" Text="12"
/>
    <TextBlock Margin="10" Grid.Row="2" Text="B" FontSize="30" VerticalAlignment="Center"/>
    <TextBox x:Name="BB" FontSize="25" Margin="10" Grid.Row="2" Grid.Column="1" Text="21"
/>
    <TextBlock Margin="10" Grid.Row="3" Text="C" FontSize="30" VerticalAlignment="Center"/>
    <TextBox x:Name="CC" FontSize="25" Margin="10" Grid.Row="3" Grid.Column="1"
TextChanged="CC_TextChanged" Text="33" />
```

```
<Button Click="Button_Click" Content="Найти" FontSize="30" Grid.Row="5" Height="50" Width="100" Grid.ColumnSpan="2"/>
```

```
</Grid>
</Page>
Листинг программы
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System. Windows;
using System. Windows. Controls;
using System.Windows.Data;
using System. Windows. Documents;
using System.Windows.Input;
using System.Windows.Media;
using System. Windows. Media. Imaging;
using System. Windows. Navigation;
using System.Windows.Shapes;
namespace WpfApp2
{
  /// <summary>
  /// Логика взаимодействия для Page3.xaml
  /// </summary>
  public partial class Page3: Page
  {
    public Page3()
    {
      InitializeComponent();
```

```
}
    private void CC_TextChanged(object sender, TextChangedEventArgs e)
    {
    }
    private void Button_Click(object sender, RoutedEventArgs e)
    {
    }
  }
}
Задание 4
Листинг интерфейса
<Page x:Class="WpfApp2.Page4"
   xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
   xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
   xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"
   xmlns:d="http://schemas.microsoft.com/expression/blend/2008"
   xmlns:local="clr-namespace:WpfApp2"
   mc:Ignorable="d"
   d:DesignHeight="450" d:DesignWidth="800"
   Title="Page4">
  <Grid>
    <Grid.RowDefinitions>
      <RowDefinition Height="60"/>
      <RowDefinition />
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
```

```
<RowDefinition/>
    </Grid.RowDefinitions>
    <Grid.ColumnDefinitions>
      <ColumnDefinition Width="100"/>
      <ColumnDefinition/>
    </Grid.ColumnDefinitions>
    <TextBlock FontSize="50" HorizontalAlignment="Center" VerticalAlignment="Center"
Grid.ColumnSpan="2" Text="Задание 4"/>
    <TextBlock Margin="10" Grid.Row="1" Text="X" FontSize="30" VerticalAlignment="Center"/>
    <TextBox x:Name="AA" FontSize="25" Margin="10" Grid.Row="1" Grid.Column="1" Text="34"
/>
    <TextBlock Margin="10" Grid.Row="2" Text="K" FontSize="30" VerticalAlignment="Center"/>
    <TextBox x:Name="BB" FontSize="25" Margin="10" Grid.Row="2" Grid.Column="1"
TextChanged="BB_TextChanged" Text="543" />
    <Button Click="Button_Click" Content="Hайти" FontSize="30" Grid.Row="5" Height="50"
Width="100" Grid.ColumnSpan="2"/>
 </Grid>
</Page>
Листинг программы
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System. Windows;
using System.Windows.Controls;
using System.Windows.Data;
using System.Windows.Documents;
using System.Windows.Input;
using System.Windows.Media;
using System. Windows. Media. Imaging;
```

```
using System. Windows. Navigation;
using System. Windows. Shapes;
namespace WpfApp2
{
 /// <summary>
  /// Логика взаимодействия для Page4.xaml
  /// </summary>
  public partial class Page4 : Page
  {
    public Page4()
      InitializeComponent();
    }
    private void BB_TextChanged(object sender, TextChangedEventArgs e)
    {
      double x = double.Parse(AA.Text);
      double k = double.Parse(BB.Text);
      double y = 0;
      if (k == 3)
        y = Sin(x) + 2;
      else if (k == 20)
      {
        Cos(x * x);
      else if (k == 10 | | k == 15)
      {
```

```
y = Tan(x) + Sin(x);
      }
      else { MessageBox.Show("переменная k не подходит"); }
      MessageBox.Show(\$"y = \{y\}", "OtBet");
    }
    private void Cos(double v)
    {
      throw new NotImplementedException();
    }
    private int Tan(double x)
    {
      throw new NotImplementedException();
    }
    private int Sin(double x)
    {
      throw new NotImplementedException();
    }
    private void Button_Click(object sender, RoutedEventArgs e)
    {
    }
  }
Задание 5
Листинг интерфейса
<Page x:Class="WpfApp2.Page5"
```

```
xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
  xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
  xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"
  xmlns:d="http://schemas.microsoft.com/expression/blend/2008"
  xmlns:local="clr-namespace:WpfApp2"
   mc:Ignorable="d"
   d:DesignHeight="450" d:DesignWidth="800"
  Title="Page5">
  <Grid>
    <Grid.RowDefinitions>
      <RowDefinition Height="60"/>
      <RowDefinition />
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
    </Grid.RowDefinitions>
    <Grid.ColumnDefinitions>
      <ColumnDefinition Width="100"/>
      <ColumnDefinition/>
    </Grid.ColumnDefinitions>
    <TextBlock FontSize="50" HorizontalAlignment="Center" VerticalAlignment="Center"
Grid.ColumnSpan="2" Text="Задание 5"/>
    <TextBlock Margin="10" Grid.Row="1" Text="X" FontSize="30" VerticalAlignment="Center"/>
    <TextBox x:Name="AA" FontSize="25" Margin="10" Grid.Row="1" Grid.Column="1" />
    <TextBlock Margin="10" Grid.Row="2" Text="Y" FontSize="30" VerticalAlignment="Center"/>
    <TextBox x:Name="BB" FontSize="25" Margin="10" Grid.Row="2" Grid.Column="1"
TextChanged="BB_TextChanged" />
    <Button Click="Button_Click" Content="Hайти" FontSize="30" Grid.Row="5" Height="50"
Width="100" Grid.ColumnSpan="2"/>
```

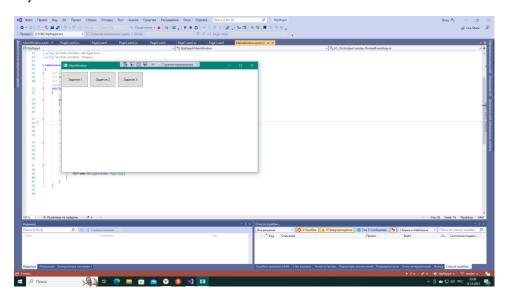
```
</Grid>
</Page>
Листинг программы
using System;
using System.Collections.Generic;
using System.Ling;
using System.Text;
using System.Threading.Tasks;
using System. Windows;
using System.Windows.Controls;
using System.Windows.Data;
using System.Windows.Documents;
using System.Windows.Input;
using System.Windows.Media;
using System.Windows.Media.Imaging;
using System. Windows. Navigation;
using System. Windows. Shapes;
namespace WpfApp2
{
  /// <summary>
  /// Логика взаимодействия для Page5.xaml
  /// </summary>
  public partial class Page5: Page
  {
    public Page5()
      InitializeComponent();
    }
    private void BB_TextChanged(object sender, TextChangedEventArgs e)
```

```
{
    }
    private void Button_Click(object sender, RoutedEventArgs e)
    {
      double x = double.Parse(AA.Text);
      double y = double.Parse(BB.Text);
#pragma warning disable CS0219 // Переменная назначена, но ее значение не используется
      string s;
#pragma warning restore CS0219 // Переменная назначена, но ее значение не используется
      if (y \ge x \&\& y \le 0 \&\& x \ge -23);
        if (y == x \&\& y == 0 \&\& x == -23);
      {
        s = "На границе";
      }
      }
    }
  }
}
5.12.23
Main page
Листинг интерфейса
```

```
<Window x:Class="WpfApp4.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:WpfApp4"
    mc:Ignorable="d"
    Title="MainWindow" Height="450" Width="800">
  <Grid>
    <Grid.RowDefinitions>
      <RowDefinition Height="80"/>
      <RowDefinition/>
    </Grid.RowDefinitions>
    <StackPanel Orientation="Horizontal">
      <Button Click="b1_Click" Name="b1" Margin="5" Height="60" Width="100"
Content="Задание 1"/>
      <Button Click="b2_Click" Name="b2" Margin="5" Height="60" Width="100"
Content="Задание 2"/>
      <Button Click="b3" Click" Name="b3" Margin="5" Height="60" Width="100"
Content="Задание 3"/>
    </StackPanel>
    <Frame x:Name="MyFrame" Grid.Row="1" NavigationUIVisibility="Hidden"/>
  </Grid>
</Window>
Листинг программы
using System;
using System.Collections.Generic;
using System.Ling;
using System.Text;
using System.Threading.Tasks;
using System. Windows;
using System.Windows.Controls;
```

```
using System.Windows.Data;
using System.Windows.Documents;
using System.Windows.Input;
using System.Windows.Media;
using System.Windows.Media.Imaging;
using System. Windows. Navigation;
using System. Windows. Shapes;
namespace WpfApp4
{
  /// <summary>
  /// Логика взаимодействия для MainWindow.xaml
  /// </summary>
  public partial class MainWindow: Window
  {
    public MainWindow()
    {
      InitializeComponent();
    }
      private void b1_Click(object sender, RoutedEventArgs e)
      {
        MyFrame.Navigate(new Page1());
      }
      private void b2_Click(object sender, RoutedEventArgs e)
      {
        MyFrame.Navigate(new Page2());
      }
      private void b3_Click(object sender, RoutedEventArgs e)
      {
```

```
MyFrame.Navigate(new Page3());
}
}
```



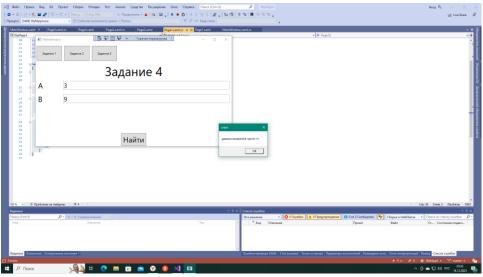
Задание 1 Листинг интерфейса

```
<Page x:Class="WpfApp4.Page1"
    xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
    xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
    xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"
    xmlns:d="http://schemas.microsoft.com/expression/blend/2008"
    xmlns:local="clr-namespace:WpfApp4"
    mc:lgnorable="d"
    d:DesignHeight="450" d:DesignWidth="800"
    Title="Page1">

<Grid>
<Grid.RowDefinitions>
<RowDefinition Height="60"/>
<RowDefinition/>
```

```
<RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
    </Grid.RowDefinitions>
    <Grid.ColumnDefinitions>
      <ColumnDefinition Width="100"/>
      <ColumnDefinition/>
    </Grid.ColumnDefinitions>
    <TextBlock FontSize="50" HorizontalAlignment="Center" VerticalAlignment="Center"
Grid.ColumnSpan="2" Text="Задание 4"/>
    <TextBlock Margin="10" Grid.Row="1" Text="A" FontSize="30" VerticalAlignment="Center"/>
    <TextBox x:Name="AA" FontSize="25" Margin="10" Grid.Row="1" Grid.Column="1" />
    <TextBlock Margin="10" Grid.Row="2" Text="B" FontSize="30" VerticalAlignment="Center"/>
    <TextBox x:Name="BB" FontSize="25" Margin="10" Grid.Row="2" Grid.Column="1" />
    <Button Click="Button_Click" Content="Hайти" FontSize="30" Grid.Row="5" Height="50"
Width="100" Grid.ColumnSpan="2"/>
  </Grid>
</Page>
Листинг программы
using System;
using System.Collections.Generic;
using System.Ling;
using System.Text;
using System.Threading.Tasks;
using System.Windows;
using System.Windows.Controls;
using System.Windows.Data;
using System. Windows. Documents;
using System.Windows.Input;
using System.Windows.Media;
using System. Windows. Media. Imaging;
```

```
using System. Windows. Navigation;
using System. Windows. Shapes;
namespace WpfApp4
{
 /// <summary>
 /// Логика взаимодействия для Page1.xaml
  /// </summary>
  public partial class Page1: Page
  {
    public Page1()
      InitializeComponent();
    }
    private void Button_Click(object sender, RoutedEventArgs e)
    {
      int A = Convert.ToInt32(AA.Text);
      int B = Convert.ToInt32(BB.Text);
      int sum = A % B;
      MessageBox.Show($"длинна незанятой части ={sum} ", "ответ");
    }
  }
}
```

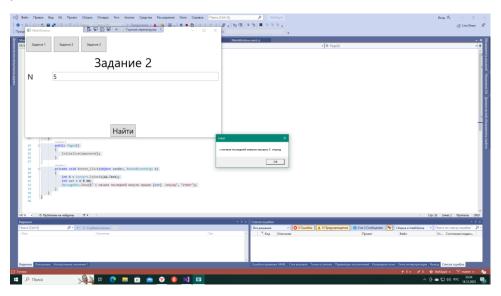


```
Задание 2
Листинг интерфейса
<Page x:Class="WpfApp4.Page2"
   xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
   xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
   xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"
   xmlns:d="http://schemas.microsoft.com/expression/blend/2008"
   xmlns:local="clr-namespace:WpfApp4"
   mc:Ignorable="d"
   d:DesignHeight="450" d:DesignWidth="800"
   Title="Page2">
  <Grid>
    <Grid.RowDefinitions>
      <RowDefinition Height="60"/>
      <RowDefinition />
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
    </Grid.RowDefinitions>
    <Grid.ColumnDefinitions>
```

```
<ColumnDefinition Width="100"/>
      <ColumnDefinition/>
    </Grid.ColumnDefinitions>
    <TextBlock FontSize="50" HorizontalAlignment="Center" VerticalAlignment="Center"
Grid.ColumnSpan="2" Text="Задание 2"/>
    <TextBlock Margin="10" Grid.Row="1" Text="N" FontSize="30" VerticalAlignment="Center"/>
    <TextBox x:Name="AA" FontSize="25" Margin="10" Grid.Row="1" Grid.Column="1" />
    <Button Click="Button_Click" Content="Hайти" FontSize="30" Grid.Row="5" Height="50"
Width="100" Grid.ColumnSpan="2"/>
  </Grid>
</Page>
Листинг программы
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System. Windows;
using System.Windows.Controls;
using System.Windows.Data;
using System. Windows. Documents;
using System.Windows.Input;
using System.Windows.Media;
using System. Windows. Media. Imaging;
using System. Windows. Navigation;
using System. Windows. Shapes;
namespace WpfApp4
{
  /// <summary>
  /// Логика взаимодействия для Page2.xaml
  /// </summary>
```

```
public partial class Page2 : Page
{
    public Page2()
    {
        InitializeComponent();
    }

    private void Button_Click(object sender, RoutedEventArgs e)
    {
        int N = Convert.ToInt32(AA.Text);
        int ost = N % 60;
        MessageBox.Show($" с начала последней минуты прошло {ost} секунд", "ответ");
    }
}
```



# Задание 3

```
Листинг интерфейса
```

```
<Page x:Class="WpfApp4.Page3"

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

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

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

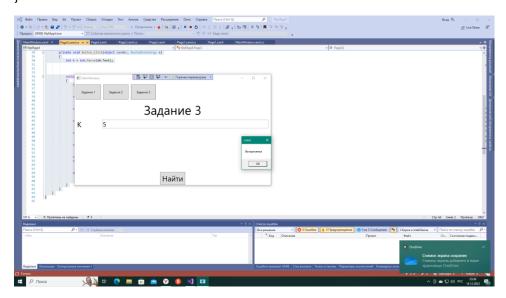
xmlns:d="http://schemas.microsoft.com/expression/blend/2008"</pre>
```

```
xmlns:local="clr-namespace:WpfApp4"
   mc:Ignorable="d"
   d:DesignHeight="450" d:DesignWidth="800"
  Title="Page3">
  <Grid>
    <Grid.RowDefinitions>
      <RowDefinition Height="60"/>
      <RowDefinition />
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
    </Grid.RowDefinitions>
    <Grid.ColumnDefinitions>
      <ColumnDefinition Width="100"/>
      <ColumnDefinition/>
    </Grid.ColumnDefinitions>
    <TextBlock FontSize="50" HorizontalAlignment="Center" VerticalAlignment="Center"
Grid.ColumnSpan="2" Text="Задание 3"/>
    <TextBlock Margin="10" Grid.Row="1" Text="K" FontSize="30" VerticalAlignment="Center"/>
    <TextBox x:Name="AA" FontSize="25" Margin="10" Grid.Row="1" Grid.Column="1" />
    <Button Click="Button_Click" Content="Hайти" FontSize="30" Grid.Row="5" Height="50"
Width="100" Grid.ColumnSpan="2"/>
  </Grid>
</Page>
Листинг программы
namespace WpfApp4
 /// <summary>
 /// Логика взаимодействия для Page3.xaml
```

{

```
/// </summary>
public partial class Page3: Page
{
  public Page3()
  {
    InitializeComponent();
  }
  private void Button_Click(object sender, RoutedEventArgs e)
  {
    int k = int.Parse(AA.Text);
    switch ((k + 2) \% 7)
    {
      case 1:
        MessageBox.Show($" Понедельник", "ответ");
        break;
      case 2:
        MessageBox.Show($" Вторник", "ответ");
        break;
      case 3:
        MessageBox.Show($" Среда", "ответ");
        break;
      case 4:
        MessageBox.Show($" Четверг", "ответ");
        break;
      case 5:
        MessageBox.Show($" Пятница", "ответ");
        break;
```

```
case 6:
    MessageBox.Show($" Суббота", "ответ");
    break;
case 0:
    case 7:
    MessageBox.Show($" Воскресенье", "ответ");
    break;
    default:
        MessageBox.Show($"Ошибка ", "ответ");
        break;
}
```



### 7.12.23

# Main page

# Листинг интерфейса

```
<Window x:Class="WpfApp6.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"</pre>
```

```
xmlns:local="clr-namespace:MyLab4"
    mc:Ignorable="d"
    Title="MainWindow" Height="450" Width="800">
  <Grid>
    <Grid.RowDefinitions>
      <RowDefinition Height="80"/>
      <RowDefinition/>
    </Grid.RowDefinitions>
    <StackPanel Orientation="Horizontal" Margin="52,0,-52,0">
      <Button Click="b1_Click" Name="b1" Margin="5" Height="60" Width="80" Content="Задание
1"/>
      <Button Click="b2_Click" Name="b2" Margin="5" Height="60" Width="80" Content="Задание
2"/>
      <Button Click="b3_Click" Name="b3" Margin="5" Height="60" Width="80" Content="Задание
3"/>
      <Button Click="b4_Click" Name="b4" Margin="5" Height="60" Width="80" Content="Задание
4"/>
      <Button Click="b5_Click" Name="b5" Margin="5" Height="60" Width="80" Content="Задание
5"/>
      <Button Click="b6_Click" Name="b6" Margin="5" Height="60" Width="80" Content="Задание
6"/>
    </StackPanel>
    <Frame x:Name="MyFrame" Grid.Row="1" NavigationUIVisibility="Hidden"/>
  </Grid>
</Window>
Листинг программы
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System. Windows;
using System.Windows.Controls;
```

```
using System.Windows.Data;
using System.Windows.Documents;
using System.Windows.Input;
using System.Windows.Media;
using System. Windows. Media. Imaging;
using System. Windows. Navigation;
using System. Windows. Shapes;
using WpfApp6;
namespace MyLab4
{
  /// <summary>
  /// Логика взаимодействия для MainWindow.xaml
  /// </summary>
  public partial class MainWindow : Window
  {
    private object MyFrame;
    public MainWindow()
    {
      InitializeComponent();
    }
    private void InitializeComponent()
    private void b1_Click(object sender, RoutedEventArgs e)
      MyFrame.Navigate(new Page1());
    }
```

```
private void b2_Click(object sender, RoutedEventArgs e)
    {
      MyFrame.Navigate(new Page2());
    }
    private void b3_Click(object sender, RoutedEventArgs e)
    {
      MyFrame.Navigate(new Page3());
    }
    private void b4_Click(object sender, RoutedEventArgs e)
    {
      MyFrame.Navigate(new Page4());
    }
    private void b6_Click(object sender, RoutedEventArgs e)
    {
      MyFrame.Navigate(new Page6());
    }
    private void b5_Click(object sender, RoutedEventArgs e)
    {
      MyFrame.Navigate(new Page5());
    }
  }
Задание 1
Листинг интерфейса
<Page x:Class="WpfApp6.Page1"
   xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
```

```
xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
  xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"
  xmlns:d="http://schemas.microsoft.com/expression/blend/2008"
  xmlns:local="clr-namespace:WpfApp6"
   mc:Ignorable="d"
   d:DesignHeight="450" d:DesignWidth="800"
  Title="Page1">
  <Grid>
    <Grid.RowDefinitions>
      <RowDefinition Height="60"/>
      <RowDefinition />
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
    </Grid.RowDefinitions>
    <Grid.ColumnDefinitions>
      <ColumnDefinition Width="100"/>
      <ColumnDefinition/>
    </Grid.ColumnDefinitions>
    <TextBlock FontSize="50" HorizontalAlignment="Center" VerticalAlignment="Center"
Grid.ColumnSpan="2" Text="Задание 1"/>
    <TextBlock Margin="10" Grid.Row="1" Text="N" FontSize="30" VerticalAlignment="Center"/>
    <TextBox x:Name="AA" FontSize="25" Margin="10" Grid.Row="1" Grid.Column="1" />
    <Button Click="Button_Click" Content="Hайти" FontSize="30" Grid.Row="5" Height="50"
Width="100" Grid.ColumnSpan="2"/>
  </Grid>
</Page>
Листинг программы
using System;
```

```
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System. Windows;
using System.Windows.Controls;
using System.Windows.Data;
using System.Windows.Documents;
using System.Windows.Input;
using System.Windows.Media;
using System. Windows. Media. Imaging;
using System. Windows. Navigation;
using System.Windows.Shapes;
namespace WpfApp6
{
  /// <summary>
  /// Логика взаимодействия для Page1.xaml
  /// </summary>
  public partial class Page1: Page
  {
    public Page1()
      InitializeComponent();
    }
    private void Button_Click(object sender, RoutedEventArgs e)
      int k = int.Parse(AA.Text);
      switch (k % 7)
```

```
case 1:
          MessageBox.Show($" Понедельник", "ответ");
          break;
        case 2:
          MessageBox.Show($" Вторник", "ответ");
          break;
        case 3:
          MessageBox.Show($" Среда", "ответ");
          break;
        case 4:
          MessageBox.Show($" Четверг", "ответ");
          break;
        case 5:
          MessageBox.Show($" Пятница", "ответ");
          break;
        case 6:
          MessageBox.Show($" Суббота", "ответ");
          break;
        case 0:
        case 7:
          MessageBox.Show($" Воскресенье", "ответ");
          break;
        default:
          MessageBox.Show($"Ошибка ", "ответ");
          break;
      }
    }
  }
}
```

{

```
Задание 2
Листинг интерфейса
<Page x:Class="WpfApp6.Page2"
   xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
   xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
   xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"
  xmlns:d="http://schemas.microsoft.com/expression/blend/2008"
  xmlns:local="clr-namespace:WpfApp6"
   mc:Ignorable="d"
   d:DesignHeight="450" d:DesignWidth="800"
   Title="Page2">
  <Grid>
    <Grid.RowDefinitions>
      <RowDefinition Height="60"/>
      <RowDefinition />
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
    </Grid.RowDefinitions>
    <Grid.ColumnDefinitions>
      <ColumnDefinition Width="100"/>
      <ColumnDefinition/>
    </Grid.ColumnDefinitions>
    <TextBlock FontSize="50" HorizontalAlignment="Center" VerticalAlignment="Center"
Grid.ColumnSpan="2" Text="Задание 2"/>
    <TextBlock Margin="10" Grid.Row="1" Text="N" FontSize="30" VerticalAlignment="Center"/>
```

<TextBox x:Name="AA" FontSize="25" Margin="10" Grid.Row="1" Grid.Column="1" />

<TextBox x:Name="BB" FontSize="25" Margin="10" Grid.Row="2" Grid.Column="1" />

<TextBlock Margin="10" Grid.Row="2" Text="M" FontSize="30" VerticalAlignment="Center"/>

```
<Button Click="Button_Click" Content="Найти" FontSize="30" Grid.Row="5" Height="50" Width="100" Grid.ColumnSpan="2"/>
```

```
</Grid>
</Page>
Листинг программы
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System. Windows;
using System. Windows. Controls;
using System.Windows.Data;
using System.Windows.Documents;
using System.Windows.Input;
using System.Windows.Media;
using System. Windows. Media. Imaging;
using System. Windows. Navigation;
using System.Windows.Shapes;
namespace WpfApp6
{
  /// <summary>
  /// Логика взаимодействия для Page2.xaml
  /// </summary>
  public partial class Page2: Page
  {
    public Page2()
    {
```

```
InitializeComponent();
}
private void Button_Click(object sender, RoutedEventArgs e)
{
  int N = int.Parse(AA.Text);
  int M = int.Parse(BB.Text);
  string s = "";
  switch (N)
  {
    case 6: s += "шестерка"; break;
    case 7: s += "семерка"; break;
    case 8: s += "восьмерка"; break;
    case 9: s += "девятка"; break;
    case 10: s += "десятка"; break;
    case 11: s += "валет"; break;
    case 12: s += "дама"; break;
    case 13: s += "король"; break;
    case 14: s += "туз"; break;
  }
  switch (M)
  {
    case 1: s += " пики"; break;
    case 2: s += "\tau pe \varphi"; break;
    case 3: s += " бубн"; break;
    case 4: s += "черв"; break;
  }
  MessageBox.Show(s);
}
```

```
Задание 3
Листинг интерфейса
<Page x:Class="WpfApp6.Page3"
   xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
   xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
   xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"
  xmlns:d="http://schemas.microsoft.com/expression/blend/2008"
  xmlns:local="clr-namespace:WpfApp6"
   mc:Ignorable="d"
   d:DesignHeight="450" d:DesignWidth="800"
   Title="Page3">
  <Grid>
    <Grid.RowDefinitions>
      <RowDefinition Height="60"/>
      <RowDefinition />
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
    </Grid.RowDefinitions>
    <Grid.ColumnDefinitions>
      <ColumnDefinition Width="100"/>
      <ColumnDefinition/>
    </Grid.ColumnDefinitions>
    <TextBlock FontSize="50" HorizontalAlignment="Center" VerticalAlignment="Center"
Grid.ColumnSpan="2" Text="Задание 3"/>
    <TextBlock Margin="10" Grid.Row="1" Text="X" FontSize="30" VerticalAlignment="Center"/>
    <TextBox x:Name="AA" FontSize="25" Margin="10" Grid.Row="1" Grid.Column="1" />
```

<TextBlock Margin="10" Grid.Row="2" Text="N" FontSize="30" VerticalAlignment="Center"/>

<TextBox x:Name="BB" FontSize="25" Margin="10" Grid.Row="2" Grid.Column="1" />

```
<Button Click="Button_Click" Content="Hайти" FontSize="30" Grid.Row="5" Height="50"
Width="100" Grid.ColumnSpan="2"/>
  </Grid>
</Page>
Листинг программы
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System. Windows;
using System. Windows. Controls;
using System.Windows.Data;
using System.Windows.Documents;
using System.Windows.Input;
using System.Windows.Media;
using System. Windows. Media. Imaging;
using System. Windows. Navigation;
using System.Windows.Shapes;
namespace WpfApp6
{
  /// <summary>
  /// Логика взаимодействия для Page3.xaml
  /// </summary>
  public partial class Page3: Page
  {
    public Page3()
    {
      InitializeComponent();
```

```
}
private void Button_Click(object sender, RoutedEventArgs e)
{
  double x = double.Parse(AA.Text);
  int n = int.Parse(BB.Text);
  double R, D, L, S;
  double P = 3.14;
  switch (n)
  {
    case 1:
      {
         R = x;
         D = 2 * R;
         L = 2 * P * R;
         S = P * Math.Pow(R, 2);
         MessageBox.Show($" D ={D} L={L} S={S}", "ответ");
         break;
      }
    case 2:
      {
         D = x;
         R = D / 2;
         L = 2 * P * R;
         S = P * Math.Pow(R, 2);
         MessageBox.Show($" S ={S} R={R} L={L}", "ответ");
         break;
      }
    case 3:
       {
         L = x;
```

```
R = L/2/P;
            D = 2 * R;
            S = P * Math.Pow(R, 2);
            MessageBox.Show($" R ={R} S={S} D={D}", "ответ");
            break;
          }
        case 4:
          {
            S = x;
            R = Math.Sqrt(S / P);
            D = 2 * R;
            L = 2 * P * R;
            MessageBox.Show($" R ={R} D={D} L={L}", "ответ");
            break;
          }
      }
    }
  }
}
Задание 4
Листинг интерфейса
<Page x:Class="WpfApp6.Page4"
   xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
   xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
   xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"
   xmlns:d="http://schemas.microsoft.com/expression/blend/2008"
   xmlns:local="clr-namespace:WpfApp6"
   mc:Ignorable="d"
   d:DesignHeight="450" d:DesignWidth="800"
   Title="Page4">
```

```
<Grid.RowDefinitions>
      <RowDefinition Height="60"/>
      <RowDefinition />
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
    </Grid.RowDefinitions>
    <Grid.ColumnDefinitions>
      <ColumnDefinition Width="100"/>
      <ColumnDefinition/>
    </Grid.ColumnDefinitions>
    <TextBlock FontSize="50" HorizontalAlignment="Center" VerticalAlignment="Center"
Grid.ColumnSpan="2" Text="Задание 4"/>
    <TextBlock Margin="10" Grid.Row="1" Text="A" FontSize="30" VerticalAlignment="Center"/>
    <TextBox x:Name="AA" FontSize="25" Margin="10" Grid.Row="1" Grid.Column="1" />
    <TextBlock Margin="10" Grid.Row="2" Text="B" FontSize="30" VerticalAlignment="Center"/>
    <TextBox x:Name="BB" FontSize="25" Margin="10" Grid.Row="2" Grid.Column="1" />
    <Button Click="Button Click" Content="Hайти" FontSize="30" Grid.Row="5" Height="50"
Width="100" Grid.ColumnSpan="2"/>
  </Grid>
</Page>
Листинг программы
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System. Windows;
```

```
using System. Windows. Controls;
using System.Windows.Data;
using System.Windows.Documents;
using System.Windows.Input;
using System.Windows.Media;
using System. Windows. Media. Imaging;
using System. Windows. Navigation;
using System. Windows. Shapes;
namespace WpfApp6
{
  /// <summary>
  /// Логика взаимодействия для Page4.xaml
  /// </summary>
  public partial class Page4 : Page
  {
    public Page4()
      InitializeComponent();
    }
    private void Button_Click(object sender, RoutedEventArgs e)
    {
      int A = int.Parse(AA.Text);
      int B = int.Parse(BB.Text);
      while (A >= B)
        int result = A;
        A = A - B;
      MessageBox.Show($" {A}", "ответ");
```

```
}
  }
}
Задание 5
Листинг интерфейса
<Page x:Class="WpfApp6.Page5"
   xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
   xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
   xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"
   xmlns:d="http://schemas.microsoft.com/expression/blend/2008"
   xmlns:local="clr-namespace:WpfApp6"
   mc:Ignorable="d"
   d:DesignHeight="450" d:DesignWidth="800"
   Title="Page5">
  <Grid>
    <Grid.RowDefinitions>
      <RowDefinition Height="60"/>
      <RowDefinition />
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
    </Grid.RowDefinitions>
    <Grid.ColumnDefinitions>
      <ColumnDefinition Width="100"/>
      <ColumnDefinition/>
    </Grid.ColumnDefinitions>
```

```
<TextBlock FontSize="50" HorizontalAlignment="Center" VerticalAlignment="Center"
Grid.ColumnSpan="2" Text="Задание 5"/>
    <TextBlock Margin="10" Grid.Row="1" Text="P" FontSize="30" VerticalAlignment="Center"/>
    <TextBox x:Name="AA" FontSize="25" Margin="10" Grid.Row="1" Grid.Column="1" />
    <Button Click="Button Click" Content="Hайти" FontSize="30" Grid.Row="5" Height="50"
Width="100" Grid.ColumnSpan="2"/>
  </Grid>
</Page>
Листинг программы
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System. Windows;
using System. Windows. Controls;
using System.Windows.Data;
using System.Windows.Documents;
using System.Windows.Input;
using System.Windows.Media;
using System. Windows. Media. Imaging;
using System. Windows. Navigation;
using System. Windows. Shapes;
namespace WpfApp6
{
  /// <summary>
 /// Логика взаимодействия для Page5.xaml
 /// </summary>
  public partial class Page5: Page
  {
```

```
public Page5()
    {
      InitializeComponent();
    }
    private void Button_Click(object sender, RoutedEventArgs e)
    {
      double P = double.Parse(AA.Text);
      double deposit = 1000;
      int months = 0;
      while (deposit <= 1100)
      {
        deposit += deposit * (P / 100);
        months++;
      }
      MessageBox.Show($" deposit={deposit} months={months}", "ответ");
    }
  }
}
Задание 6
Листинг интерфейса
<Page x:Class="WpfApp6.Page6"
   xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
   xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
   xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"
   xmlns:d="http://schemas.microsoft.com/expression/blend/2008"
   xmlns:local="clr-namespace:WpfApp6"
   mc:Ignorable="d"
   d:DesignHeight="450" d:DesignWidth="800"
   Title="Page6">
```

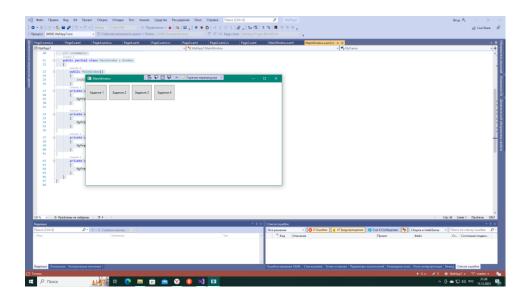
```
<Grid.RowDefinitions>
      <RowDefinition Height="60"/>
      <RowDefinition />
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
      <RowDefinition/>
    </Grid.RowDefinitions>
    <Grid.ColumnDefinitions>
      <ColumnDefinition Width="100"/>
      <ColumnDefinition/>
    </Grid.ColumnDefinitions>
    <TextBlock FontSize="50" HorizontalAlignment="Center" VerticalAlignment="Center"
Grid.ColumnSpan="2" Text="Задание 6"/>
    <TextBlock Margin="10" Grid.Row="1" Text="K" FontSize="30" VerticalAlignment="Center"/>
    <TextBox x:Name="AA" FontSize="25" Margin="10" Grid.Row="1" Grid.Column="1" />
    <Button Click="Button Click" Content="Hайти" FontSize="30" Grid.Row="5" Height="50"
Width="100" Grid.ColumnSpan="2"/>
 </Grid>
</Page>
Листинг программы
using System;
using System.Collections.Generic;
using System.Ling;
using System. Text;
using System. Threading. Tasks;
using System. Windows;
```

```
using System. Windows. Controls;
using System.Windows.Data;
using System. Windows. Documents;
using System. Windows. Input;
using System. Windows. Media;
using System. Windows. Media. Imaging;
using System. Windows. Navigation;
using System. Windows. Shapes;
namespace WpfApp6
{
  /// <summary>
  /// Логика взаимодействия для Page6.xaml
  /// </summary>
  public partial class Page6: Page
  {
    public Page6()
    {
      InitializeComponent();
    }
    private void Button_Click(object sender, RoutedEventArgs e)
    {
      int k = int.Parse(AA.Text);
      string s = "";
      while (k > 0)
         int last = k \% 10;
         k = k / 10;
        s += $"{last}";
```

```
}
      MessageBox.Show(s);
   }
  }
}
8.12.23
Main page
Листинг интерфейса
<Window x:Class="WpfApp7.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:WpfApp7"
    mc:Ignorable="d"
    Title="MainWindow" Height="450" Width="800">
  <Grid>
    <Grid.RowDefinitions>
      <RowDefinition Height="80"/>
      <RowDefinition/>
    </Grid.RowDefinitions>
    <StackPanel Orientation="Horizontal">
      <Button Click="b1_Click" Name="b1" Margin="5" Height="60" Width="80"
Content="Задание 1"/>
      <Button Click="b2_Click" Name="b2" Margin="5" Height="60" Width="80"
Content="Задание 2"/>
      <Button Click="b3_Click" Name="b3" Margin="5" Height="60" Width="80"
Content="Задание 3"/>
```

```
<Button Click="b4_Click" Name="b4" Margin="5" Height="60" Width="80"
Content="Задание 4"/>
    </StackPanel>
    <Frame x:Name="MyFrame" Grid.Row="1" NavigationUIVisibility="Hidden"/>
  </Grid>
</Window>
Листинг программы
using System;
using System.Collections.Generic;
using System.Ling;
using System. Text;
using System. Threading. Tasks;
using System. Windows;
using System. Windows. Controls;
using System.Windows.Data;
using System. Windows. Documents;
using System. Windows. Input;
using System.Windows.Media;
using System. Windows. Media. Imaging;
using System. Windows. Navigation;
using System. Windows. Shapes;
namespace WpfApp7
{
  /// <summary>
  /// Логика взаимодействия для MainWindow.xaml
  /// </summary>
  public partial class MainWindow: Window
  {
```

```
public MainWindow()
    {
      InitializeComponent();
    }
    private void b1_Click(object sender, RoutedEventArgs e)
      MyFrame.Navigate(new Page2());
    }
    private void b2_Click(object sender, RoutedEventArgs e)
    {
      MyFrame.Navigate(new Page3());
    }
    private void b3_Click(object sender, RoutedEventArgs e)
    {
      MyFrame.Navigate(new Page4());
    }
    private void b4_Click(object sender, RoutedEventArgs e)
    {
      MyFrame.Navigate(new Page5());
    }
  }
}
```



```
Листинг интерфейса
```

```
<Page x:Class="WpfApp7.Page2"
   xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
   xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
   xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"
   xmlns:d="http://schemas.microsoft.com/expression/blend/2008"
   xmlns:local="clr-namespace:WpfApp7"
   mc:Ignorable="d"
   d:DesignHeight="450" d:DesignWidth="800"
   Title="Page2">
```

## <Grid>

<Grid.ColumnDefinitions>

<ColumnDefinition Width="120"/>

<ColumnDefinition/>

</Grid.ColumnDefinitions>

<Grid.RowDefinitions>

<RowDefinition Height="30"/>

<RowDefinition Height="30"/>

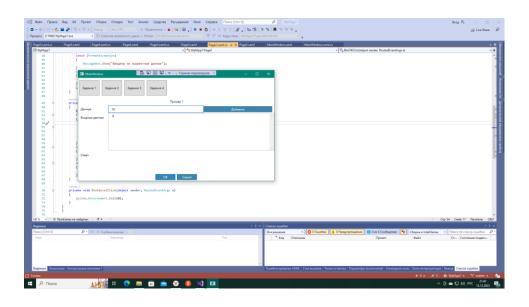
```
<RowDefinition Height="150"/>
      <RowDefinition/>
      <RowDefinition Height="30"/>
    </Grid.RowDefinitions>
    <TextBlock Text="Пример 1"
Grid.Row="0"
Grid.Column="1"
HorizontalAlignment="Center"
VerticalAlignment="Center" Height="18" Margin="2,6,116,6" Width="56"/>
    <TextBlock Text="Данные"
Grid.Row="1"
Grid.Column="0"
HorizontalAlignment="Left"
VerticalAlignment="Center"
Margin="10,6,0,6" Height="18" Width="45" />
    <TextBlock Text="Входные данные"
Grid.Row="2"
Grid.Column="0"
HorizontalAlignment="Left"
VerticalAlignment="Top"
Margin="10,10,0,0" Height="17" Width="98" />
    <TextBlock x:Name="TextBlockAnswer"
Text="Ответ: "
Grid.Row="3"
Grid.Column="0"
Grid.ColumnSpan="2"
HorizontalAlignment="Stretch"
VerticalAlignment="Stretch"
Margin="10" />
```

```
<TextBox x:Name="TbNumber"
Grid.Row="1"
Grid.Column="1"
HorizontalAlignment="Left"
VerticalContentAlignment="Center"
Padding="10 0" Width="382"
BorderThickness="2" />
    <Button x:Name="BtnAdd" Content="Добавить" Grid.Row="1"
Grid.Column="1" Margin="382,3,8,0"
Background="#FF3985B0"
Foreground="White"
Click="BtnAdd_Click" Height="24" VerticalAlignment="Top" />
    <ListBox x:Name="ListBoxData"
Grid.Row="2"
Grid.Column="1"
ScrollViewer.VerticalScrollBarVisibility="Visible"
Padding="10 0"
BorderThickness="1" />
    <StackPanel Grid.Row="4"
Grid.Column="0"
Grid.ColumnSpan="2"
Orientation="Horizontal"
HorizontalAlignment="Center" Margin="61,0" Width="172" >
      <Button x:Name="BtnOK" Content="OK"
Width="80" Height="24" Margin="3"
Background="#FF3985B0"
Foreground="White" IsDefault="True"
Click="BtnOKClick" />
      <Button x:Name="BtnCancel" Content="Cancel"
Width="80" Height="24" Margin="3"
```

```
Background="#FF3985B0"
Foreground="White" IsCancel="True"
Click="BtnCancelClick" />
    </StackPanel>
  </Grid>
</Page>
Листинг программы
using System;
using System.Collections.Generic;
using System.Ling;
using System. Text;
using System. Threading. Tasks;
using System. Windows;
using System. Windows. Controls;
using System.Windows.Data;
using System. Windows. Documents;
using System. Windows. Input;
using System. Windows. Media;
using System. Windows. Media. Imaging;
using System. Windows. Navigation;
using System. Windows. Shapes;
namespace WpfApp7
{
  /// <summary>
  /// Логика взаимодействия для Page2.xaml
  /// </summary>
  public partial class Page2: Page
  {
```

```
public Page2()
{
  InitializeComponent();
}
private void BtnAdd_Click(object sender, RoutedEventArgs e)
{
  if ((String.IsNullOrEmpty(TbNumber.Text)))
  {
    return;
  }
  try
    int xa = Convert.ToInt32(TbNumber.Text);
  }
  catch (FormatException)
  {
    MessageBox.Show("Введены не корректные данные");
  }
  catch (Exception ex)
  {
    MessageBox.Show(ex.Message);
  ListBoxData.Items.Add(TbNumber.Text);
}
private void BtnOKClick(object sender, RoutedEventArgs e)
{
  int n = Convert.ToInt32(ListBoxData.Items[0]); int s = 0;
  for (int i = 1; i <= n; i++)
```

```
{
        int m = Convert.ToInt32(ListBoxData.Items[i]);
        if (m % 7 == 0 && m % 10 == 2)
           s += m;
        }
      }
      if (s > 0)
        TextBlockAnswer.Text = $"ответ:\n{s}";
      }
      else
      {
        TextBlockAnswer.Text = $"ответ:\n чисел оканчивающихся на 4 и
кратных 3 нету";
      }
    }
    private void BtnCancelClick(object sender, RoutedEventArgs e)
    {
      System.Environment.Exit(0);
    }
 }
```



```
Листинг интерфейса
```

```
<Page x:Class="WpfApp7.Page3"
    xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
    xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
    xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"
    xmlns:d="http://schemas.microsoft.com/expression/blend/2008"
    xmlns:local="clr-namespace:WpfApp7"
    mc:lgnorable="d"
    d:DesignHeight="450" d:DesignWidth="800"
    Title="Page3">
```

- <Grid.ColumnDefinitions>
  - <ColumnDefinition Width="120"/>
  - <ColumnDefinition/>
- </Grid.ColumnDefinitions>
- <Grid.RowDefinitions>
  - <RowDefinition Height="30"/>
  - <RowDefinition Height="30"/>

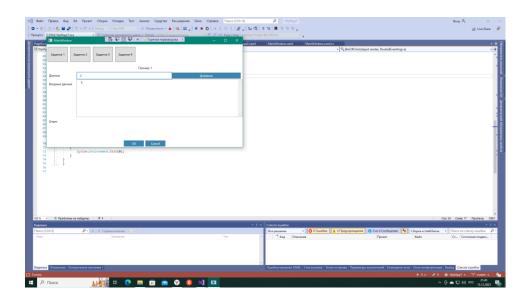
```
<RowDefinition Height="150"/>
      <RowDefinition/>
      <RowDefinition Height="30"/>
    </Grid.RowDefinitions>
    <TextBlock Text="Пример 1"
Grid.Row="0"
Grid.Column="1"
HorizontalAlignment="Center"
VerticalAlignment="Center" Height="18" Margin="2,6,116,6" Width="56"/>
    <TextBlock Text="Данные"
Grid.Row="1"
Grid.Column="0"
HorizontalAlignment="Left"
VerticalAlignment="Center"
Margin="10,6,0,6" Height="18" Width="45" />
    <TextBlock Text="Входные данные"
Grid.Row="2"
Grid.Column="0"
HorizontalAlignment="Left"
VerticalAlignment="Top"
Margin="10,10,0,0" Height="17" Width="98" />
    <TextBlock x:Name="TextBlockAnswer"
Text="Ответ: "
Grid.Row="3"
Grid.Column="0"
Grid.ColumnSpan="2"
HorizontalAlignment="Stretch"
VerticalAlignment="Stretch"
Margin="10" />
```

```
<TextBox x:Name="TbNumber"
Grid.Row="1"
Grid.Column="1"
HorizontalAlignment="Left"
VerticalContentAlignment="Center"
Padding="10 0" Width="382"
BorderThickness="2" />
    <Button x:Name="BtnAdd" Content="Добавить" Grid.Row="1"
Grid.Column="1" Margin="382,3,8,0"
Background="#FF3985B0"
Foreground="White"
Click="BtnAdd_Click" Height="24" VerticalAlignment="Top" />
    <ListBox x:Name="ListBoxData"
Grid.Row="2"
Grid.Column="1"
ScrollViewer.VerticalScrollBarVisibility="Visible"
Padding="10 0"
BorderThickness="1" />
    <StackPanel Grid.Row="4"
Grid.Column="0"
Grid.ColumnSpan="2"
Orientation="Horizontal"
HorizontalAlignment="Center" Margin="61,0" Width="172" >
      <Button x:Name="BtnOK" Content="OK"
Width="80" Height="24" Margin="3"
Background="#FF3985B0"
Foreground="White" IsDefault="True"
Click="BtnOKClick" />
      <Button x:Name="BtnCancel" Content="Cancel"
Width="80" Height="24" Margin="3"
```

```
Background="#FF3985B0"
Foreground="White" IsCancel="True"
Click="BtnCancelClick" />
    </StackPanel>
  </Grid>
</Page>
Листинг программы
using System;
using System.Collections.Generic;
using System.Ling;
using System. Text;
using System. Threading. Tasks;
using System. Windows;
using System. Windows. Controls;
using System.Windows.Data;
using System. Windows. Documents;
using System. Windows. Input;
using System. Windows. Media;
using System. Windows. Media. Imaging;
using System. Windows. Navigation;
using System. Windows. Shapes;
namespace WpfApp7
{
  /// <summary>
  /// Логика взаимодействия для Page3.xaml
  /// </summary>
  public partial class Page3: Page
  {
```

```
public Page3()
{
  InitializeComponent();
}
private void BtnAdd_Click(object sender, RoutedEventArgs e)
{
  if ((String.IsNullOrEmpty(TbNumber.Text)))
  {
    return;
  }
  try
    int xa = Convert.ToInt32(TbNumber.Text);
  }
  catch (FormatException)
  {
    MessageBox.Show("Введены не корректные данные");
  }
  catch (Exception ex)
  {
    MessageBox.Show(ex.Message);
  ListBoxData.Items.Add(TbNumber.Text);
}
private void BtnOKClick(object sender, RoutedEventArgs e)
{
  int n = Convert.ToInt32(ListBoxData.Items[0]); int s = 0;
  for (int i = 1; i <= n; i++)
```

```
{
        int m = Convert.ToInt32(ListBoxData.Items[i]);
        if (m % 6 == 0 && m % 10 == 4)
          s += m;
        }
      }
      if (s > 0)
        TextBlockAnswer.Text = $"ответ:\n{s}";
      }
      else
        TextBlockAnswer.Text = $"ответ:\n чисел оканчивающихся на 4 и
кратных 3 нету";
      }
    }
    private void BtnCancelClick(object sender, RoutedEventArgs e)
    {
      System.Environment.Exit(0);
    }
 }
```



```
Листинг интерфейса
<Page x:Class="WpfApp7.Page4"
   xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
   xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
   xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"
   xmlns:d="http://schemas.microsoft.com/expression/blend/2008"
   xmlns:local="clr-namespace:WpfApp7"
   mc:Ignorable="d"
   d:DesignHeight="450" d:DesignWidth="800"
   Title="Page4">
```

- <Grid.ColumnDefinitions>
  - <ColumnDefinition Width="120"/>
  - <ColumnDefinition/>
- </Grid.ColumnDefinitions>
- <Grid.RowDefinitions>
  - <RowDefinition Height="30"/>
  - <RowDefinition Height="30"/>

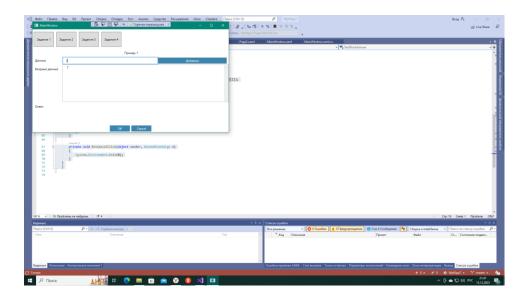
```
<RowDefinition Height="150"/>
      <RowDefinition/>
      <RowDefinition Height="30"/>
    </Grid.RowDefinitions>
    <TextBlock Text="Пример 1"
Grid.Row="0"
Grid.Column="1"
HorizontalAlignment="Center"
VerticalAlignment="Center" Height="18" Margin="2,6,116,6" Width="56"/>
    <TextBlock Text="Данные"
Grid.Row="1"
Grid.Column="0"
HorizontalAlignment="Left"
VerticalAlignment="Center"
Margin="10,6,0,6" Height="18" Width="45" />
    <TextBlock Text="Входные данные"
Grid.Row="2"
Grid.Column="0"
HorizontalAlignment="Left"
VerticalAlignment="Top"
Margin="10,10,0,0" Height="17" Width="98" />
    <TextBlock x:Name="TextBlockAnswer"
Text="Ответ: "
Grid.Row="3"
Grid.Column="0"
Grid.ColumnSpan="2"
HorizontalAlignment="Stretch"
VerticalAlignment="Stretch"
Margin="10" />
```

```
<TextBox x:Name="TbNumber"
Grid.Row="1"
Grid.Column="1"
HorizontalAlignment="Left"
VerticalContentAlignment="Center"
Padding="10 0" Width="382"
BorderThickness="2" />
    <Button x:Name="BtnAdd" Content="Добавить" Grid.Row="1"
Grid.Column="1" Margin="382,3,8,0"
Background="#FF3985B0"
Foreground="White"
Click="BtnAdd_Click" Height="24" VerticalAlignment="Top" />
    <ListBox x:Name="ListBoxData"
Grid.Row="2"
Grid.Column="1"
ScrollViewer.VerticalScrollBarVisibility="Visible"
Padding="10 0"
BorderThickness="1" />
    <StackPanel Grid.Row="4"
Grid.Column="0"
Grid.ColumnSpan="2"
Orientation="Horizontal"
HorizontalAlignment="Center" Margin="61,0" Width="172" >
      <Button x:Name="BtnOK" Content="OK"
Width="80" Height="24" Margin="3"
Background="#FF3985B0"
Foreground="White" IsDefault="True"
Click="BtnOKClick" />
      <Button x:Name="BtnCancel" Content="Cancel"
Width="80" Height="24" Margin="3"
```

```
Background="#FF3985B0"
Foreground="White" IsCancel="True"
Click="BtnCancelClick" />
    </StackPanel>
  </Grid>
</Page>
Листинг программы
using System;
using System.Collections.Generic;
using System.Ling;
using System. Text;
using System. Threading. Tasks;
using System. Windows;
using System. Windows. Controls;
using System.Windows.Data;
using System. Windows. Documents;
using System. Windows. Input;
using System.Windows.Media;
using System.Windows.Media.Imaging;
using System. Windows. Navigation;
using System. Windows. Shapes;
namespace WpfApp7
{
  /// <summary>
  /// Логика взаимодействия для Page4.xaml
  /// </summary>
  public partial class Page4: Page
```

```
{
  public Page4()
    InitializeComponent();
  }
  private void BtnAdd_Click(object sender, RoutedEventArgs e)
    if ((String.IsNullOrEmpty(TbNumber.Text)))
    {
      return;
    }
    try
      int xa = Convert.ToInt32(TbNumber.Text);
    }
    catch (FormatException)
    {
      MessageBox.Show("Введены не корректные данные");
    }
    catch (Exception ex)
    {
      MessageBox.Show(ex.Message);
    ListBoxData.Items.Add(TbNumber.Text);
  }
  private void BtnOKClick(object sender, RoutedEventArgs e)
  {
```

```
int A = Convert.ToInt32(ListBoxData.Items[0]); int B =
Convert.ToInt32(ListBoxData.Items[1]);
      double s = 0;
      for (int i = A; i \le B; i++)
      {
        s += Math.Pow(i, 2);
      }
      if (s > 0)
      {
        MessageBox.Show($"ответ:\n {s}");
      }
      else
      {
        MessageBox.Show($"ответ:\n No");
      }
    }
    private void BtnCancelClick(object sender, RoutedEventArgs e)
    {
      System.Environment.Exit(0);
    }
  }
  }
```



```
Листинг интерфейса
```

```
<Page x:Class="WpfApp7.Page5"
   xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
   xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
   xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"
   xmlns:d="http://schemas.microsoft.com/expression/blend/2008"
   xmlns:local="clr-namespace:WpfApp7"
   mc:Ignorable="d"
   d:DesignHeight="450" d:DesignWidth="800"
   Title="Page5">
```

## <Grid>

<Grid.ColumnDefinitions>

<ColumnDefinition Width="120"/>

<ColumnDefinition/>

</Grid.ColumnDefinitions>

<Grid.RowDefinitions>

<RowDefinition Height="30"/>

<RowDefinition Height="30"/>

```
<RowDefinition Height="150"/>
      <RowDefinition/>
      <RowDefinition Height="30"/>
    </Grid.RowDefinitions>
    <TextBlock Text="Пример 1"
Grid.Row="0"
Grid.Column="1"
HorizontalAlignment="Center"
VerticalAlignment="Center" Height="18" Margin="2,6,116,6" Width="56"/>
    <TextBlock Text="Данные"
Grid.Row="1"
Grid.Column="0"
HorizontalAlignment="Left"
VerticalAlignment="Center"
Margin="10,6,0,6" Height="18" Width="45" />
    <TextBlock Text="Входные данные"
Grid.Row="2"
Grid.Column="0"
HorizontalAlignment="Left"
VerticalAlignment="Top"
Margin="10,10,0,0" Height="17" Width="98" />
    <TextBlock x:Name="TextBlockAnswer"
Text="Ответ: "
Grid.Row="3"
Grid.Column="0"
Grid.ColumnSpan="2"
HorizontalAlignment="Stretch"
VerticalAlignment="Stretch"
Margin="10" />
```

```
<TextBox x:Name="TbNumber"
Grid.Row="1"
Grid.Column="1"
HorizontalAlignment="Left"
VerticalContentAlignment="Center"
Padding="10 0" Width="382"
BorderThickness="2" />
    <Button x:Name="BtnAdd" Content="Добавить" Grid.Row="1"
Grid.Column="1" Margin="382,3,8,0"
Background="#FF3985B0"
Foreground="White"
Click="BtnAdd_Click" Height="24" VerticalAlignment="Top" />
    <ListBox x:Name="ListBoxData"
Grid.Row="2"
Grid.Column="1"
ScrollViewer.VerticalScrollBarVisibility="Visible"
Padding="10 0"
BorderThickness="1" />
    <StackPanel Grid.Row="4"
Grid.Column="0"
Grid.ColumnSpan="2"
Orientation="Horizontal"
HorizontalAlignment="Center" Margin="61,0" Width="172" >
      <Button x:Name="BtnOK" Content="OK"
Width="80" Height="24" Margin="3"
Background="#FF3985B0"
Foreground="White" IsDefault="True"
Click="BtnOKClick" />
      <Button x:Name="BtnCancel" Content="Cancel"
Width="80" Height="24" Margin="3"
```

```
Background="#FF3985B0"
Foreground="White" IsCancel="True"
Click="BtnCancelClick" />
    </StackPanel>
  </Grid>
</Page>
Листинг программы
using System;
using System.Collections.Generic;
using System.Ling;
using System. Text;
using System. Threading. Tasks;
using System. Windows;
using System. Windows. Controls;
using System.Windows.Data;
using System. Windows. Documents;
using System. Windows. Input;
using System.Windows.Media;
using System. Windows. Media. Imaging;
using System. Windows. Navigation;
using System. Windows. Shapes;
namespace WpfApp7
{
  /// <summary>
  /// Логика взаимодействия для Page5.xaml
  /// </summary>
  public partial class Page5: Page
```

```
{
  public Page5()
    InitializeComponent();
  }
  private void BtnAdd_Click(object sender, RoutedEventArgs e)
    if ((String.IsNullOrEmpty(TbNumber.Text)))
    {
      return;
    }
    try
      int xa = Convert.ToInt32(TbNumber.Text);
    }
    catch (FormatException)
    {
      MessageBox.Show("Введены не корректные данные");
    }
    catch (Exception ex)
    {
      MessageBox.Show(ex.Message);
    ListBoxData.Items.Add(TbNumber.Text);
  }
  private void BtnOKClick(object sender, RoutedEventArgs e)
  {
    int N = Convert.ToInt32(ListBoxData.Items[0]);
```

```
double s = 0;
    double A = 1;
    for (int i = 1; i <= N; i++)
      s += A * i;
      A = A * i;
    }
    if (s > 0)
    {
      MessageBox.Show($"ответ:\n {s}");
    }
    else
    {
      MessageBox.Show($"ответ:\n No");
    }
  }
  private void BtnCancelClick(object sender, RoutedEventArgs e)
  {
    System.Environment.Exit(0);
  }
}
}
```

