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**Roll no: BSEF19M502**

**Subject: EAD**

**Topic: WPF**

**Program: Software Engineering**

**Section: Morning**

**Batch: F19**

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## Text to Speech

```
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 System.Speech.Synthesis;

namespace Text_speech
{
    -references
    public partial class MainWindow : Window
    {
        -references
        public MainWindow()
        {
            InitializeComponent();
        }
        -references
        private void convert_Click(object sender, RoutedEventArgs e)
        {
            SpeechSynthesizer ss = new SpeechSynthesizer();
            ss.Speak(input.Text);
        }
    }
}
```

MainWindow



Enter to convert

convert

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## Message Box

```
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 messageBox
{
    -references
    public partial class MainWindow : Window
    {
        -references
        public MainWindow()
        {
            InitializeComponent();
        }
        -references
        private void add_Click(object sender, RoutedEventArgs e)
        {
            int a = int.Parse(fn.Text);
            int b = int.Parse(sn.Text);
            int result = a + b;

            MessageBox.Show(result.ToString(), "Result of addition");
        }
    }
}
```

No issues found

MainWindow

Enter first number:

Enter second number:

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Result of addition

9

OK

## Web browser

```
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 WebBrowser
{
    /// <summary>
    /// Interaction logic for MainWindow.xaml
    /// </summary>
    2 references
    public partial class MainWindow : Window
    {
        0 references
        public MainWindow()
        {
            InitializeComponent();
        }
        1 reference
        private void forward_Click(object sender, RoutedEventArgs e)
        {
            try
            {
                wb.GoForward();
            }
            catch (Exception) { MessageBox.Show("No initial Forward", "Error"); }
        }
    }
}
```

```

    }
    1 reference
    private void search_Click(object sender, RoutedEventArgs e)
    {
        try { wb.Navigate(input.Text); }
        catch (Exception) { MessageBox.Show("Invalid Search", "Error"); }
    }
    1 reference
    private void back_Click(object sender, RoutedEventArgs e)
    {
        try { wb.GoBack(); }
        catch (Exception) { MessageBox.Show("No initial Back", "Error"); }
    }
    1 reference
    private void refresh_Click(object sender, RoutedEventArgs e)
    {
        try
        {
            wb.Refresh();
        }
        catch (Exception) { MessageBox.Show("No initial Back", "Error"); }
    }
}

```

Web Browser



Back

forward

https://www.google.com

search

refresh

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[Web History](#) | [Settings](#) | [Sign in](#)

Google

[Advanced search](#)

Google Search

I'm Feeling Lucky

Google offered in: اردو پشتو سنڌي

## Calculator

WpfApp1.MainWindow

```
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 WpfApp1
{
    2 references
    public partial class MainWindow : Window
    {
        0 references
        public MainWindow()
        {
            InitializeComponent();
        }
        int fn, sn;
        char op;
        1 reference
        private void three_Click(object sender, RoutedEventArgs e)
        {
            output.Text += "3";
        }
        1 reference
        private void nine_Click(object sender, RoutedEventArgs e)
        {
            output.Text += "9";
        }
    }
}
```

```

    }
    1 reference
    private void plus_Click(object sender, RoutedEventArgs e)
    {
        fn = int.Parse(output.Text);
        output.Text = "";
        op = '+';
    }
    1 reference
    private void minus_Click(object sender, RoutedEventArgs e)
    {
        fn = int.Parse(output.Text);
        output.Text = "";
        op = '-';
    }
    1 reference
    private void multiply_Click(object sender, RoutedEventArgs e)
    {
        fn = int.Parse(output.Text);
        output.Text = "";
        op = '*';
    }
    1 reference
    private void divide_Click(object sender, RoutedEventArgs e)
    {
        fn = int.Parse(output.Text);
        output.Text = "";
        op = '/';
    }
    1 reference
    private void modulus_Click(object sender, RoutedEventArgs e)
    {
        fn = int.Parse(output.Text);

```

```

    fn = int.Parse(output.Text);
    output.Text = "";
    op = '%';
}
1 reference
3 private void one_Click(object sender, RoutedEventArgs e)
{
    output.Text += "1";
}
1 reference
3 private void two_Click(object sender, RoutedEventArgs e)
{
    output.Text += "2";
}
1 reference
3 private void four_Click(object sender, RoutedEventArgs e)
{
    output.Text += "4";
}
1 reference
3 private void five_Click(object sender, RoutedEventArgs e)
{
    output.Text += "5";
}
1 reference
3 private void six_Click(object sender, RoutedEventArgs e)
{
    output.Text += "6";
}
1 reference
3 private void seven_Click(object sender, RoutedEventArgs e)

```



1 reference

```
private void seven_Click(object sender, RoutedEventArgs e)
{
    output.Text += "7";
}
```

1 reference

```
private void eight_Click(object sender, RoutedEventArgs e)
{
    output.Text += "8";
}
```


1 reference

```
private void zero_Click(object sender, RoutedEventArgs e)
{
    output.Text += "0";
}
```

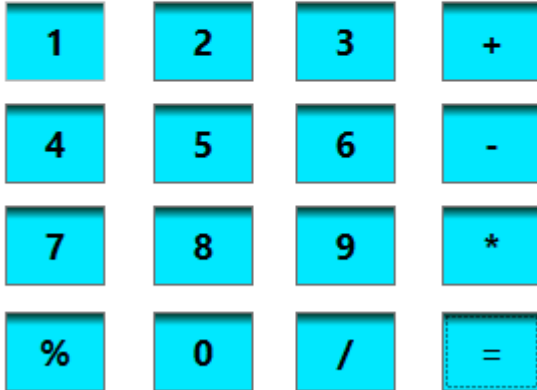
1 reference

```
private void Equal_Click(object sender, RoutedEventArgs e)
{
    sn = int.Parse(output.Text);
    int res = 0;
    if (op == '+')
        res = fn + sn;
    else if (op == '-')
        res = fn - sn;
    else if (op == '*')
        res = fn * sn;
    else if (op == '/')
        res = fn / sn;
    else if (op == '%')
        res = fn % sn;

    output.Text = "";
    output.Text = res.ToString();
}
```

 `class System.Windows.RoutedEventArgs`  
Contains state information and event data associated

12



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