

## LAB - 14

**Program 1: Write XAML code for the following: Consider textbox(txt1) for First Number, textbox(txt2) for Second Number, textbox(txt3) for Answer, and 4 buttons (btn1,btn2,btn3,btn4) for Addition, Subtraction, Multiplication and Division respectively. Write backend code for taking input of 2 numbers and display relevant output as per button click**

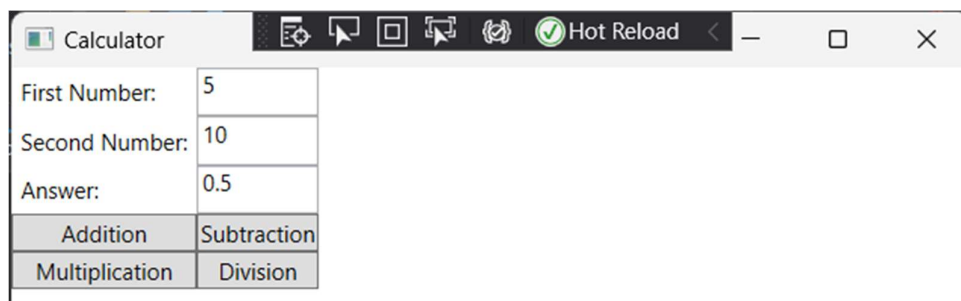
**Code:**

```

Title="Calculator" Height="350" Width="525">
<Grid>
  <Grid.RowDefinitions>
    <RowDefinition Height="Auto"/>
    <RowDefinition Height="Auto"/>
    <RowDefinition Height="Auto"/>
    <RowDefinition Height="Auto"/>
    <RowDefinition Height="Auto"/>
  </Grid.RowDefinitions>
  <Grid.ColumnDefinitions>
    <ColumnDefinition Width="Auto"/>
    <ColumnDefinition Width="Auto"/>
  </Grid.ColumnDefinitions>
  <Label Content="First Number:" Grid.Row="0" Grid.Column="0"/>
  <TextBox x:Name="txt1" Grid.Row="0" Grid.Column="1"/>
  <Label Content="Second Number:" Grid.Row="1" Grid.Column="0"/>
  <TextBox x:Name="txt2" Grid.Row="1" Grid.Column="1"/>
  <Label Content="Answer:" Grid.Row="2" Grid.Column="0"/>
  <TextBox x:Name="txt3" Grid.Row="2" Grid.Column="1" IsReadOnly="True"/>
  <Button x:Name="btn1" Content="Addition" Grid.Row="3" Grid.Column="0" Click="btn1_Click"/>
  <Button x:Name="btn2" Content="Subtraction" Grid.Row="3" Grid.Column="1" Click="btn2_Click"/>
  <Button x:Name="btn3" Content="Multiplication" Grid.Row="4" Grid.Column="0" Click="btn3_Click"/>
  <Button x:Name="btn4" Content="Division" Grid.Row="4" Grid.Column="1" Click="btn4_Click"/>
</Grid>

```

**Output:**



The screenshot shows a window titled "Calculator" with a toolbar containing icons for design, view, zoom, and a "Hot Reload" button. The main content area displays a form with the following fields and buttons:

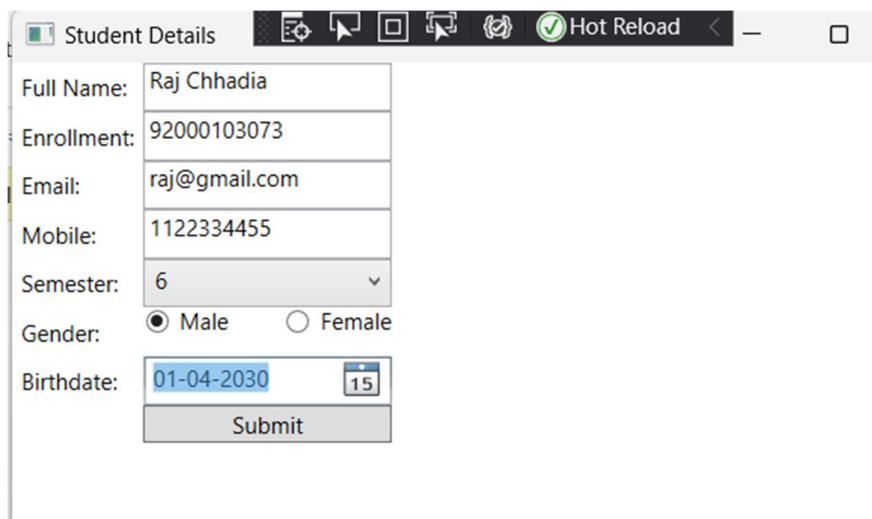
First Number:	5
Second Number:	10
Answer:	0.5
Addition	Subtraction
Multiplication	Division

**Program 2: Write XAML code for the following: Consider textbox(txt1) for Full Name, textbox(txt2) for enrolment, textbox(txt3) for email, textbox(txt4) for mobile, combobox(cmb1) for Semester, radiobutton(rd1,rd2) for Gender and datetimepicker(dtp1) for birthdate and button(btn1). Write backend code for taking input of each and display all values in pop-up box with proper message on button (btn1) click.**

**Code:**

```
<Grid>
    <Grid.RowDefinitions>
        <RowDefinition Height="Auto"/>
        <RowDefinition Height="Auto"/>
        <RowDefinition Height="Auto"/>
        <RowDefinition Height="Auto"/>
        <RowDefinition Height="Auto"/>
        <RowDefinition Height="Auto"/>
        <RowDefinition Height="Auto"/>
    </Grid.RowDefinitions>
    <Grid.ColumnDefinitions>
        <ColumnDefinition Width="Auto"/>
        <ColumnDefinition Width="Auto"/>
    </Grid.ColumnDefinitions>
    <Label Content="Full Name:" Grid.Row="0" Grid.Column="0"/>
    <TextBox x:Name="txt1" Grid.Row="0" Grid.Column="1"/>
    <Label Content="Enrollment:" Grid.Row="1" Grid.Column="0"/>
    <TextBox x:Name="txt2" Grid.Row="1" Grid.Column="1"/>
    <Label Content="Email:" Grid.Row="2" Grid.Column="0"/>
    <TextBox x:Name="txt3" Grid.Row="2" Grid.Column="1"/>
    <Label Content="Mobile:" Grid.Row="3" Grid.Column="0"/>
    <TextBox x:Name="txt4" Grid.Row="3" Grid.Column="1"/>
    <Label Content="Semester:" Grid.Row="4" Grid.Column="0"/>
    <ComboBox x:Name="cmb1" Grid.Row="4" Grid.Column="1">
```

```
        <ComboBoxItem Content="1"/>
        <ComboBoxItem Content="2"/>
        <ComboBoxItem Content="3"/>
        <ComboBoxItem Content="4"/>
        <ComboBoxItem Content="5"/>
        <ComboBoxItem Content="6"/>
        <ComboBoxItem Content="7"/>
        <ComboBoxItem Content="8"/>
    </ComboBox>
    <Label Content="Gender:" Grid.Row="5" Grid.Column="0"/>
    <RadioButton x:Name="rd1" Content="Male" Grid.Row="5" Grid.Column="1"/>
    <RadioButton x:Name="rd2" Content="Female" Grid.Row="5" Grid.Column="1" Margin="75,0,0,0"/>
    <Label Content="Birthdate:" Grid.Row="6" Grid.Column="0"/>
    <DatePicker x:Name="dtp1" Grid.Row="6" Grid.Column="1"/>
    <Button x:Name="btn1" Content="Submit" Grid.Row="7" Grid.Column="1" Click="btn1_Click"/>
</Grid>
```

**Output:**

Student Details

Full Name: Raj Chhadia

Enrollment: 92000103073

Email: raj@gmail.com

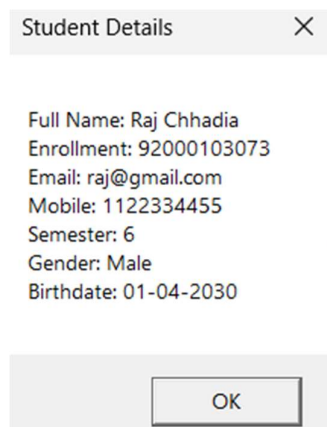
Mobile: 1122334455

Semester: 6

Gender: ☒ Male ☐ Female

Birthdate: 01-04-2030

Submit



Student Details

Full Name: Raj Chhadia  
Enrollment: 92000103073  
Email: raj@gmail.com  
Mobile: 1122334455  
Semester: 6  
Gender: Male  
Birthdate: 01-04-2030

OK