

Oefening 4.9

```
public partial class MainWindow : Window
{
    public MainWindow()
    {
        InitializeComponent();
    }

    private void Button_Click(object sender, RoutedEventArgs e)
    {
        int amountGiven = 100;
        int itemCost = 45;
        int change = amountGiven - itemCost;

        int amount100 = change / 100;
        change = change % 100;

        int amount50 = change / 50;
        change = change % 50;

        int amount20 = change / 20;
        change = change % 20;

        int amount10 = change / 10;
        change = change % 10;

        int amount5 = change / 5;
        change = change % 5;

        int amount2 = change / 2;
        change = change % 2;

        int amount1 = change / 1;
        change = change % 1;

        // Twee mogelijkheden om strings met getallen te tonen
        // String.Format is handiger bij meerdere getallen per
        // string of complexere opmaak (doubles)
        MessageBox.Show(
            String.Format("Number of 1 euro coins is {0:d}", amount100));
        MessageBox.Show(
            "Number of 50 cent coins is " + Convert.ToString(amount50));
        MessageBox.Show(
            "Number of 20 cent coins is " + Convert.ToString(amount20));
        MessageBox.Show(
            "Number of 10 cent coins is " + Convert.ToString(amount10));
        MessageBox.Show(
            "Number of 5 cent coins is " + Convert.ToString(amount5));
        MessageBox.Show(
            "Number of 2 cent coins is " + Convert.ToString(amount2));
        MessageBox.Show(
            "Number of 1 cent coins is " + Convert.ToString(amount1));
    }
}
```

```
<Window x:Class="Oef4_9_Frisdrankautomaat.MainWindow"
        xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
        xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
        Title="Oef 4.9 Frisdrankautomaat" Height="350" Width="525">
    <Grid>
        <Button Content="Toon" HorizontalAlignment="Left"
                Margin="106,57,0,0" VerticalAlignment="Top" Width="75"
                Click="Button_Click"/>

    </Grid>
</Window>
```