Main Page

<StackLayout Padding="20">

<Label Text="Решение квадратного уравнения" FontSize="24" HorizontalOptions="Center" Margin="0,0,0,20"/>

<Entry Placeholder="Коэффициент a" x:Name="CoefficientA" Keyboard="Numeric"/>

<Entry Placeholder="Коэффициент b" x:Name="CoefficientB" Keyboard="Numeric"/>

<Entry Placeholder="Коэффициент c" x:Name="CoefficientC" Keyboard="Numeric"/>

<Button Text="Решить" Clicked="OnSolveButtonClicked"/>

<Label x:Name="ResultLabel" FontSize="18" HorizontalOptions="Center" Margin="0,20,0,0"/>

</StackLayout>

</ContentPage>

private void OnSolveButtonClicked(object sender, EventArgs e)

{

double a = double.Parse(CoefficientA.Text);

double b = double.Parse(CoefficientB.Text);

double c = double.Parse(CoefficientC.Text);

string result = SolveQuadraticEquation(a, b, c);

ResultLabel.Text = result;

}

private string SolveQuadraticEquation(double a, double b, double c)

{

if (a == 0)

{

return "Коэффициент 'a' не может быть равен нулю.";

}

double discriminant = b \* b - 4 \* a \* c;

if (discriminant > 0)

{

double root1 = (-b + Math.Sqrt(discriminant)) / (2 \* a);

double root2 = (-b - Math.Sqrt(discriminant)) / (2 \* a);

return $"Корни: x1 = {root1}, x2 = {root2}";

}

else if (discriminant == 0)

{

double root = -b / (2 \* a);

return $"Корень: x = {root}";

}

else

{

return "Нет действительных корней.";

}

}

}

}