PRACTICAL e-Journal
MSCIT (PART I) SEMESTER - II
2018-19

SUBJECT
MOBILE COMPUTING

SUBMITTED BY

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Seat No. 13

Submitted in partial fulfillment of the requirement for
Qualifying
M.Sc. Part I Semester II Examination
2018-19

Department of Information Technology
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RAMNIRANJAN JHUNJHUNWALA COLLEGE

(AUTONOMOUS)

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CERTIFICATE

This is to certify that Miss SHAIKH SEEMA ABDUL RASHID with Seat No. 13 has successfully completed the necessary course of experiments in the subject of MOBILE COMPUTING during the academic year 2018 – 2019 complying with the requirements of RAMNIRANJAN JHUNJHUNWALA COLLEGE OF ARTS, SCIENCE AND COMMERCE, for the course of M.Sc. (IT) semester -II.

Internal Examiner Date: _____

Head of Department College Seal External Examiner

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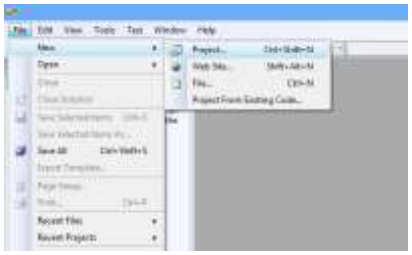
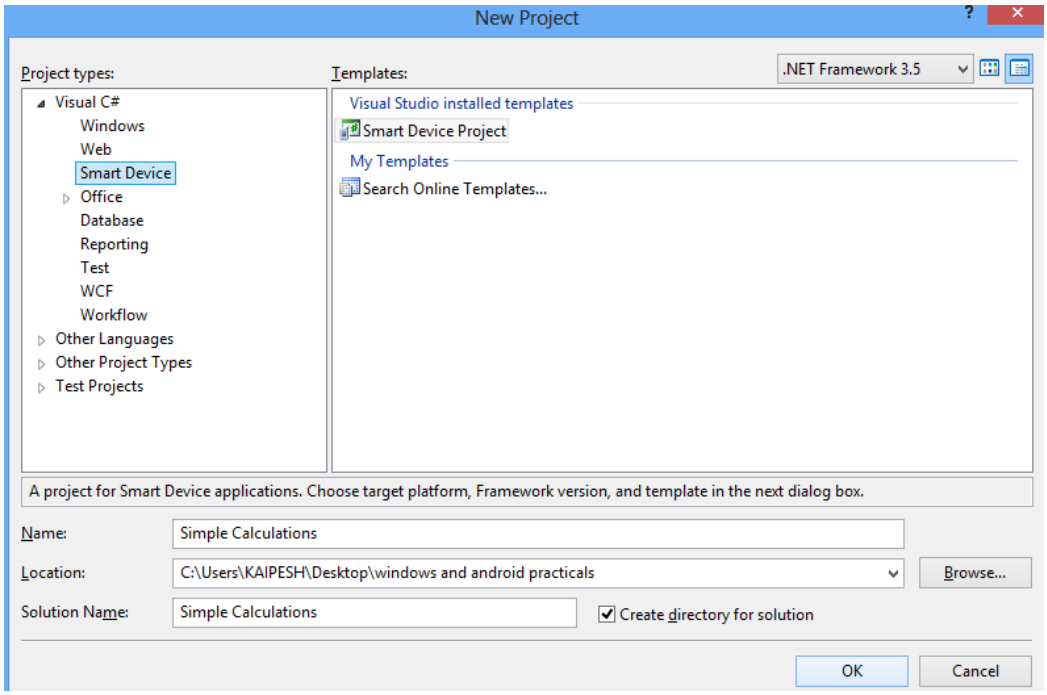
Practical No 1

Aim: Simple Addition, multiplication, subtraction and division operations on windows mobile.

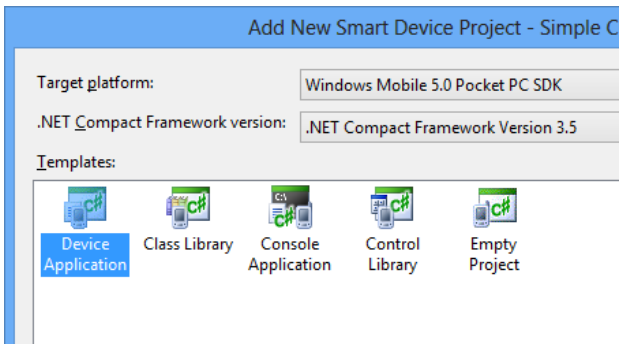
Start -> Visual Studio 2008 -> File ->New -> Project



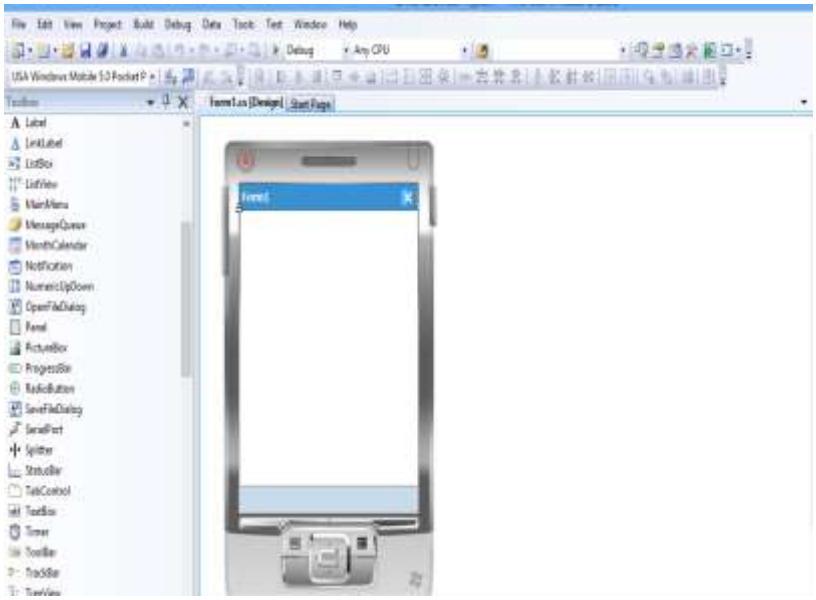
Wizard will get open -> expand other languages -> expand visual c# -> select smart device -> smart device project -> give the file name -> OK



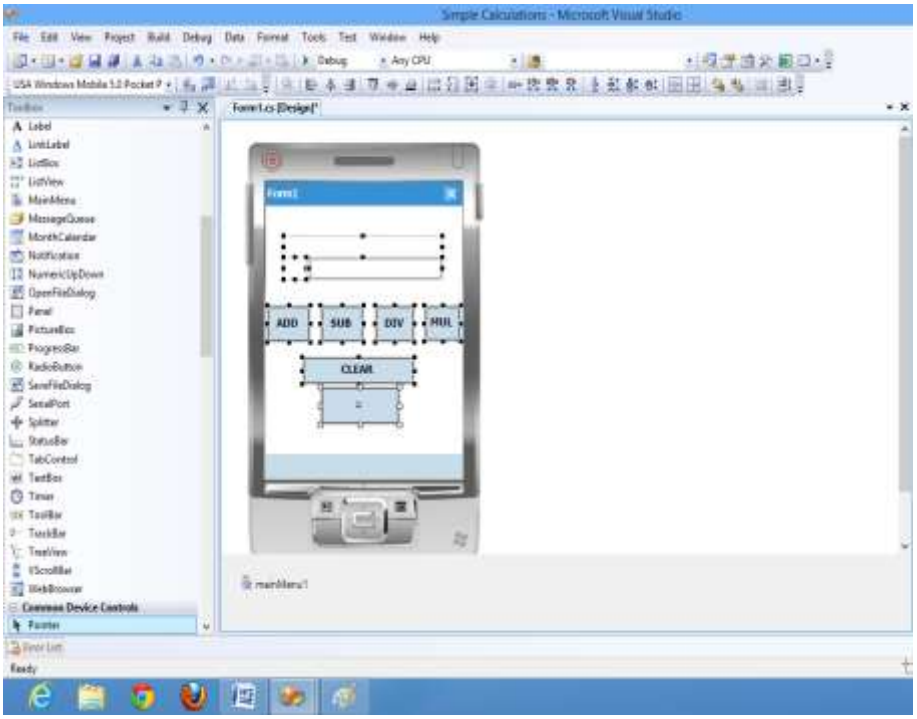
Wizard will open -> select **target platform :** windows mobile 5.0 pocket PC SDK -> select **.NET Compact framework version 3.5 -> select Device application -> OK**



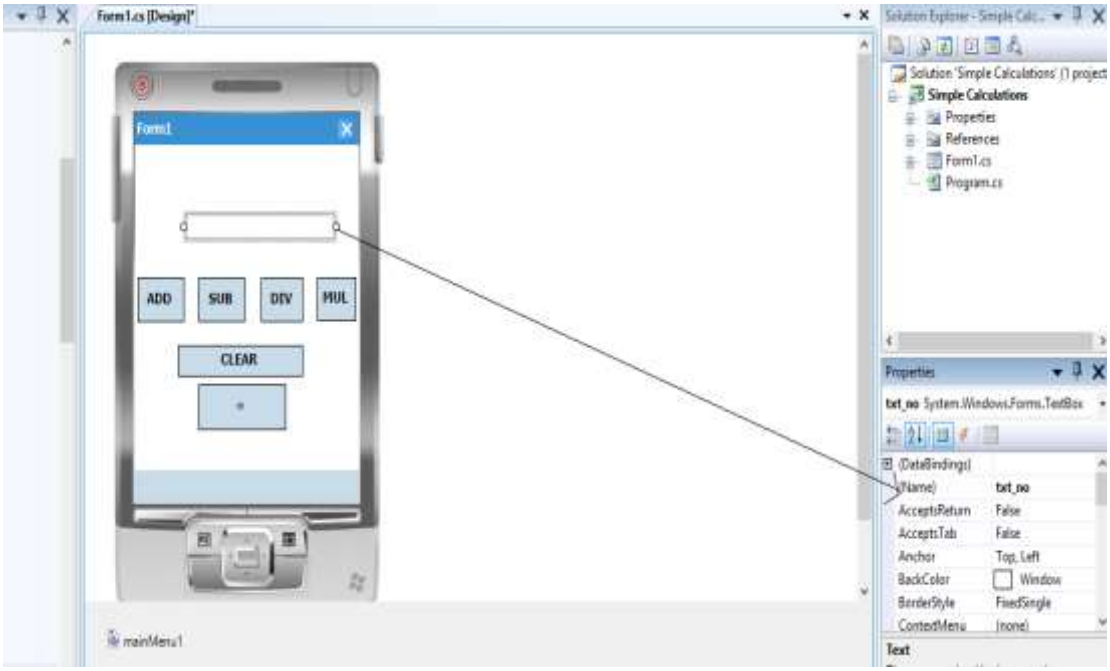
Create a GUI -> and implement the code



Add the following Labels, Textbox and Buttons as shown below



Change the name properties of each of this as shown below



Code:

```
using System;
using System.Linq;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Text;
using System.Windows.Forms;

namespace practs1
{
	public partial class Form1 : Form
	{
		String ans;
		int c,i,j;

		public Form1()
		{
			InitializeComponent();
		}

		Double click on ADD button

		private void add_Click(object sender, EventArgs e)
		{
			lbl_sign.Text = "+";
			lbl_temp.Text =  txt_no.Text;
```

```
            txt_no.Text = "";
}
```

Double click on SUB button

```
private void sub_Click(object sender, EventArgs e)
{
            lbl_sign.Text = "-";
            lbl_temp.Text = txt_no.Text;
            txt_no.Text = "";
}
```

Double click on DIV button

```
private void div_Click(object sender, EventArgs e)
{
            lbl_sign.Text = "/";
            lbl_temp.Text = txt_no.Text;
            txt_no.Text = "";
}
```

Double click on MUL button

```
private void mul_Click(object sender, EventArgs e)
{
            lbl_sign.Text = "*";
            lbl_temp.Text = txt_no.Text;
            txt_no.Text = "";
}
```

Double click on CLEAR button

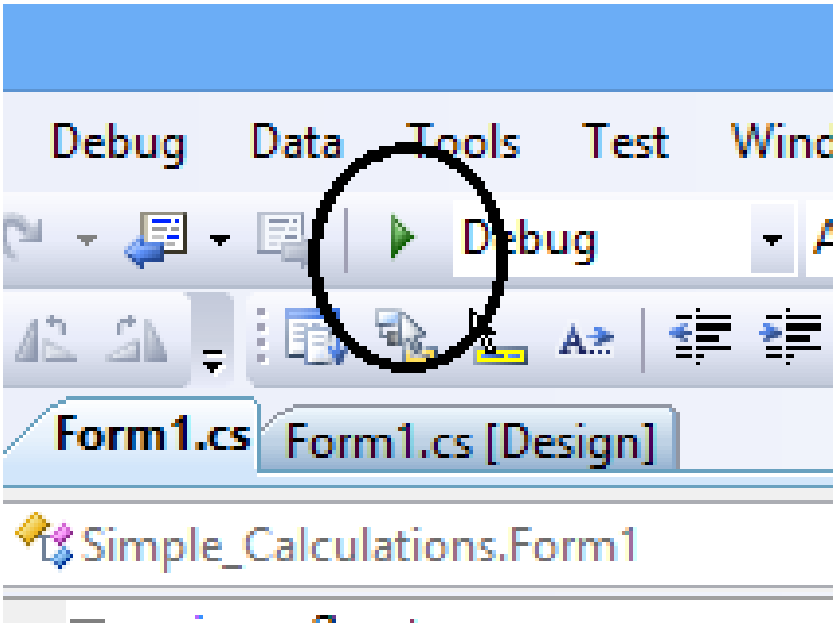
```
private void clear_Click(object sender, EventArgs e)
{
            txt_no.Text = "";
            lbl_temp.Text = "";
            lbl_sign.Text = "";
}
```

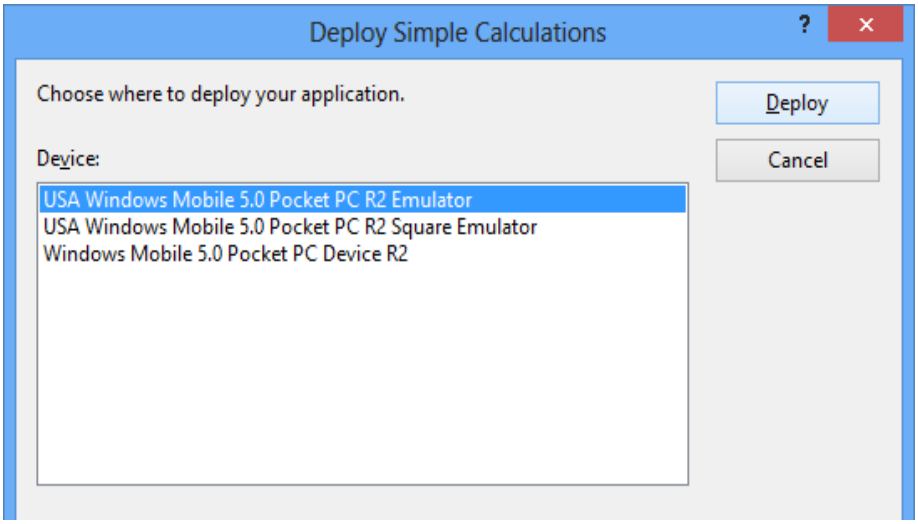
Double click on = button

```
private void equal_Click(object sender, EventArgs e)
{
        if (lbl_sign.Text == "+")
    {
        a = Convert.ToDouble(lbl_temp.Text);
        b = Convert.ToDouble(txt_no.Text);
        ans = a + b;
        lbl_temp.Text = Convert.ToString(ans);
        txt_no.Text = lbl_temp.Text;
        lbl_temp.Text = null;
    }
    else if (lbl_sign.Text == "-")
    {
        a = Convert.ToDouble(lbl_temp.Text);
        b = Convert.ToDouble(txt_no.Text);
        ans = a - b;
        lbl_temp.Text = Convert.ToString(ans);
```

```
                txt_no.Text = lbl_temp.Text;
                lbl_temp.Text = null;
            }
            else if (lbl_sign.Text == "/")
            {
                a = Convert.ToDouble(lbl_temp.Text);
                b = Convert.ToDouble(txt_no.Text);
                ans = a / b;
                lbl_temp.Text = Convert.ToString(ans);
                txt_no.Text = lbl_temp.Text;
                lbl_temp.Text = null;
            }
            else if (lbl_sign.Text == "*"){
                a = Convert.ToDouble(lbl_temp.Text);
                b = Convert.ToDouble(txt_no.Text);
                ans = a * b;
                lbl_temp.Text = Convert.ToString(ans);
                txt_no.Text = lbl_temp.Text;
                lbl_temp.Text = null;
            }
            else { }

        }
    }
}
```

After code implemetation run the GUI interface -> select any one option from the wizard -> click on Deploy



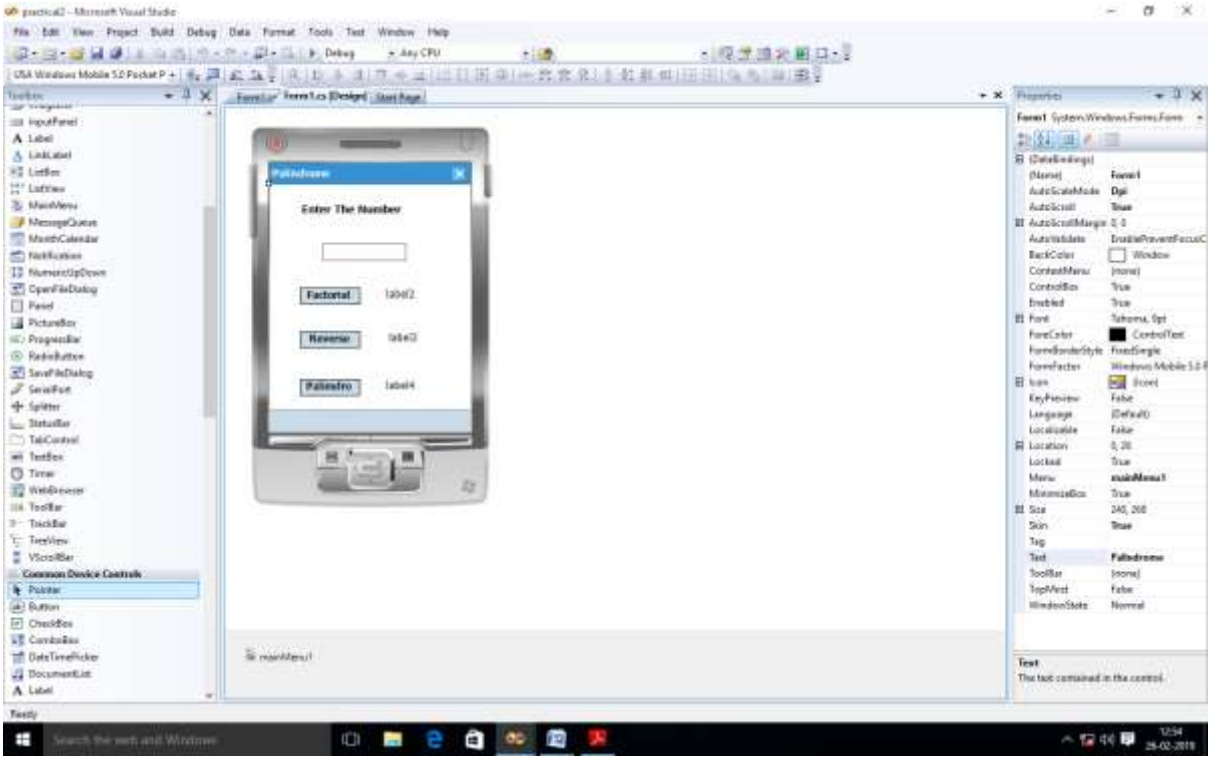

Deploy Simple Calculations
Choose where to deploy your application.
Deploy
Device:
Cancel
USA Windows Mobile 5.0 Pocket PC R2 Emulator
USA Windows Mobile 5.0 Pocket PC R2 Square Emulator
Windows Mobile 5.0 Pocket PC Device R2

Output :


Pocket PC - WM 5.0
File Flash Help
Start
12:55
240
add
sub
mul
div
clear
=

Practical No 2

Aim: Calculate factorial, reverse, palindrome of a given number in windows mobile.

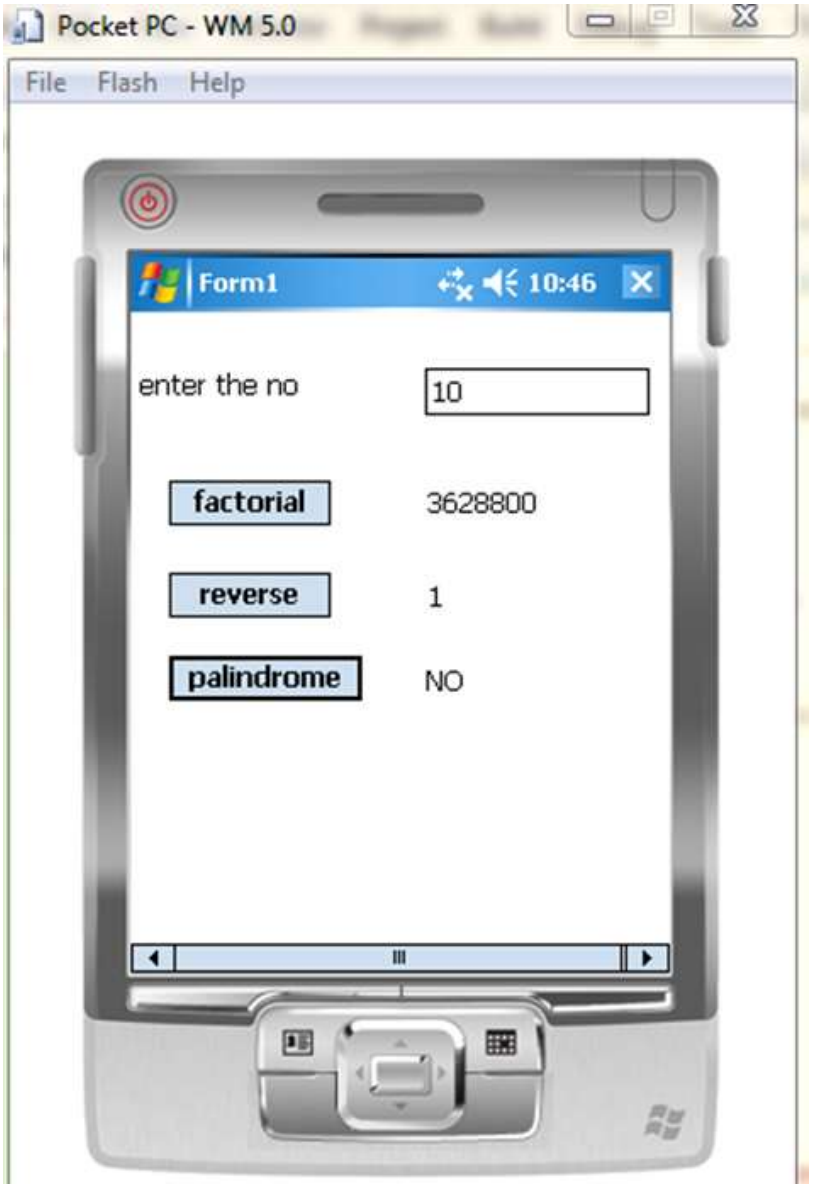


Code:

```
using System;
using System.Linq;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Text;
using System.Windows.Forms;

namespace practs2
{
	public partial class Form1 : Form
	{
		int d;
		int num;
		public Form1()
	{
		InitializeComponent();
	}

		private void b1_fact_Click(object sender, EventArgs e)
		{
			num = Convert.ToInt32(t1.Text);
			Int64 fact = 1;
			for(int i=1;i<=num;i++)
			{
```

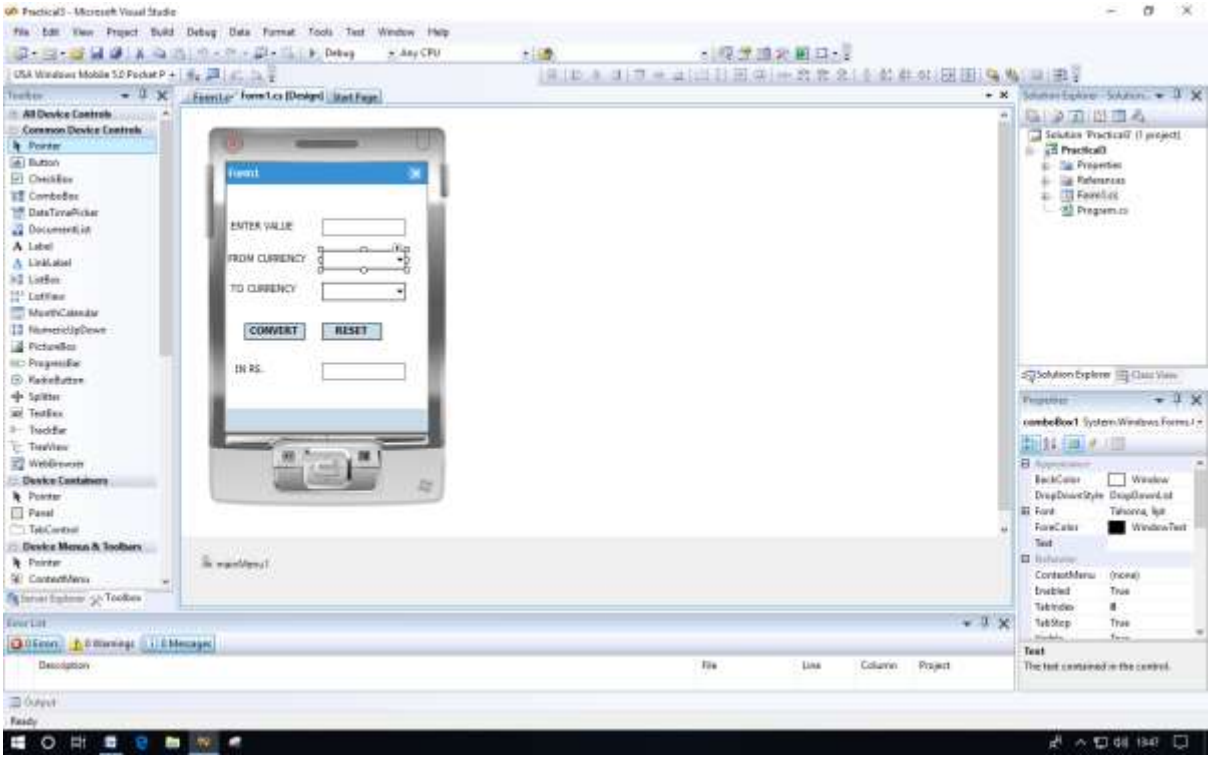
```
                        fact=fact*i;
                }
                t2.Text = fact.ToString();
        }

        private void b2_rev_Click(object sender, EventArgs e)
    {
        num = Convert.ToInt32(t1.Text);
                int rev=0;
                while (num > 0)
        {
                d = num % 10;
                rev = rev * 10 + d;
                num = num / 10;
        }
        t3.Text = rev.ToString();
    }

        private void b3_palindrome_Click(object sender, EventArgs e)
        {
                num = Convert.ToInt32(t1.Text);
                int num1 = num;
                int rev = 0;

                while (num > 0)
            {
                d = num % 10;
                rev = rev * 10 + d;
                num = num / 10;
            }
                if (rev == num1)
            {
                    t4.Text = "number is a pallindrome";
            }
                else
            {
                t4.Text = "NO ";
            }
        }

        private void b4_Check(object sender, EventArgs e)
        {
                t1.Text = "";
                t2.Text = "";
                t3.Text = "";
                t4.Text = "";
        }
    }
}
```

Output:


Pocket PC - WM 5.0
File Flash Help
Form1
10:46
enter the no
10
factorial
3628800
reverse
1
palindrome
NO

Practical No 3

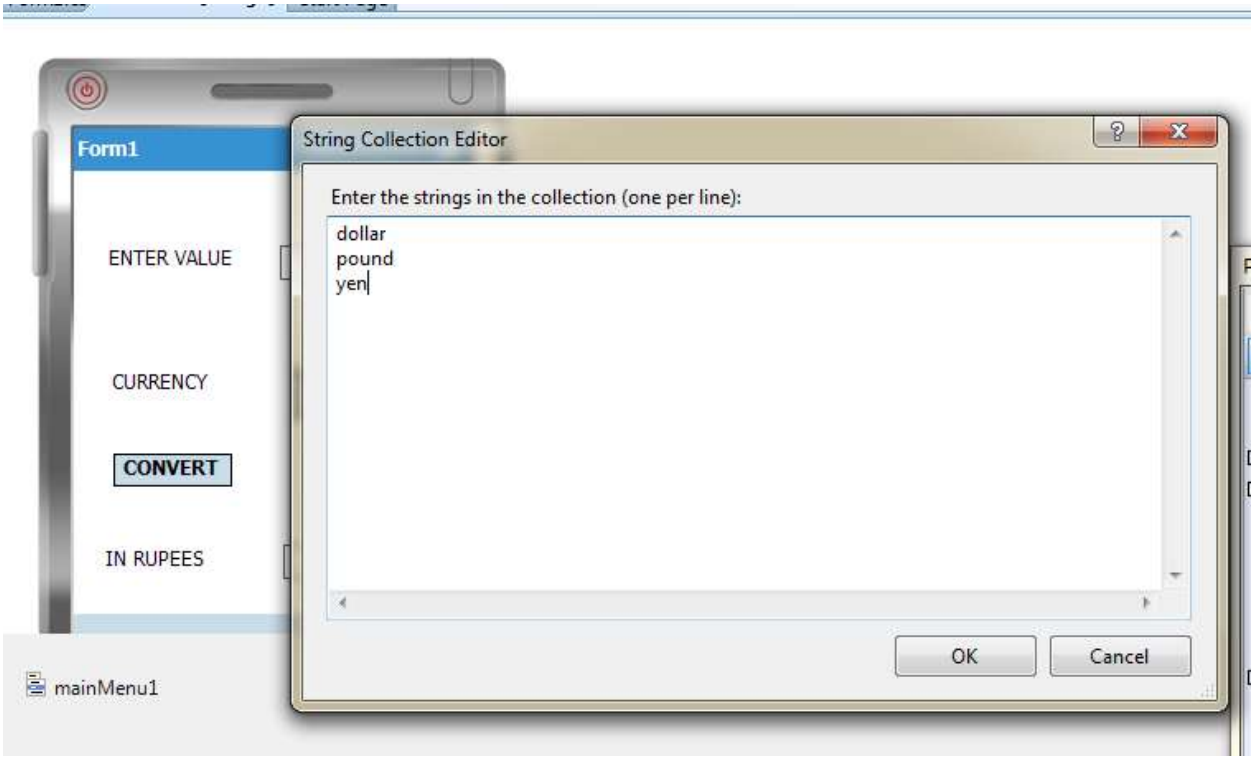
Aim: Design a currency converter in windows mobile.



Code:

```
using System;
using System.Linq;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Text;
using System.Windows.Forms;

namespace practs_3
{
	public partial class Form1 : Form
	{
		double value,ans;
		string curr;

		public Form1()
		{
			InitializeComponent();
		}


		private void textBox1_TextChanged(object sender, EventArgs e)
		{
			value = Convert.ToDouble(t1.Text);
		}
```

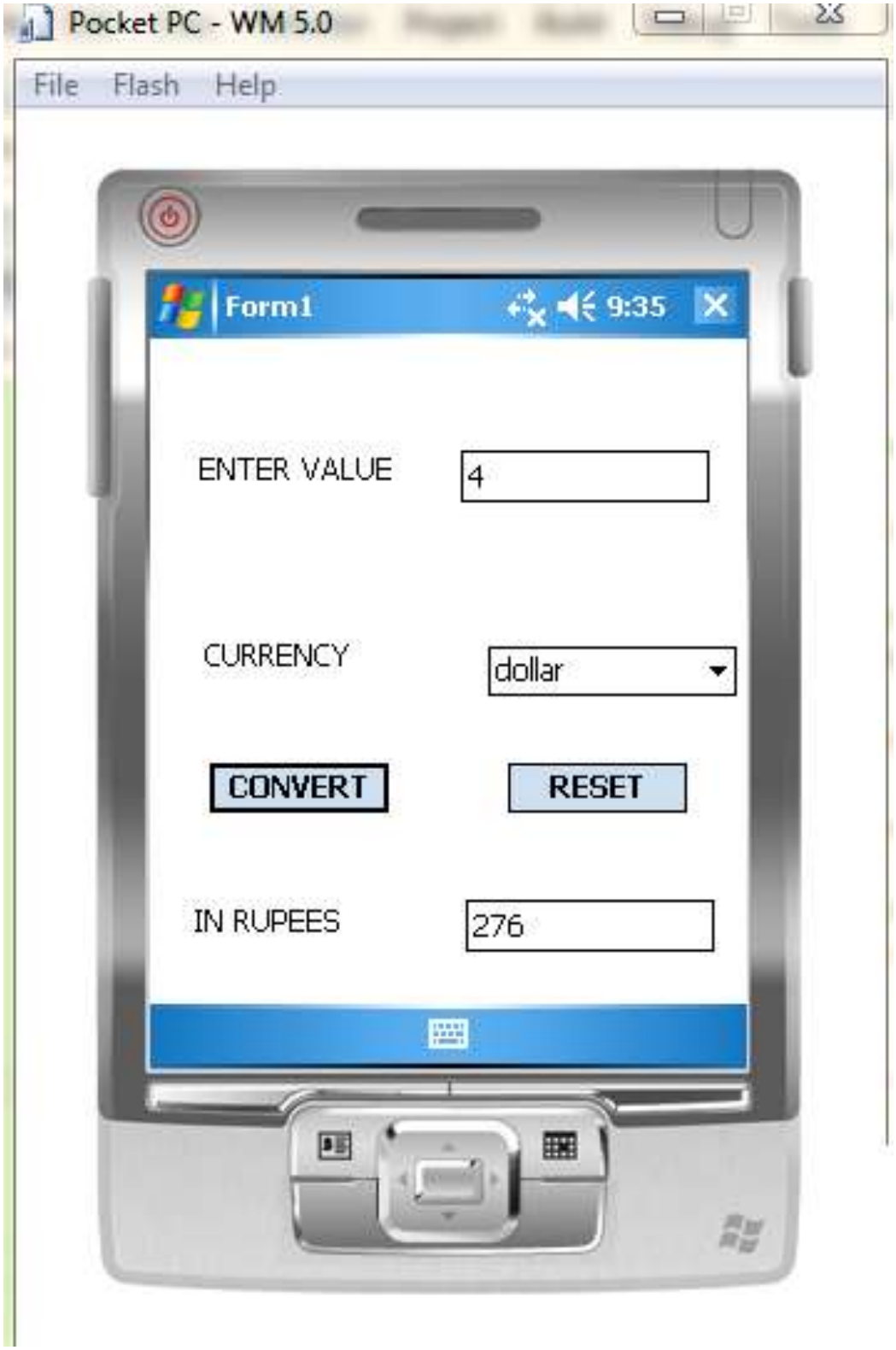
```
private void c1_SelectedIndexChanged(object sender, EventArgs e)
{
        curr = c1.Text;
}
```




```
private void btn_con_Click (object sender, EventArgs e)
{
        if (t1.Text == "")
        {
                MessageBox.Show("enter the value");
        }
        if (curr == "dollar")
        {
                ans = value * 61.22;
                l4.Text = ans.ToString();
        }
        if (curr == "yen")
        {
                ans = value * 0.60;
                l4.Text = ans.ToString();
        }
        if (curr == "pounds")
        {
                ans = value * 101.76;
                l4.Text = ans.ToString();
        }
}
```

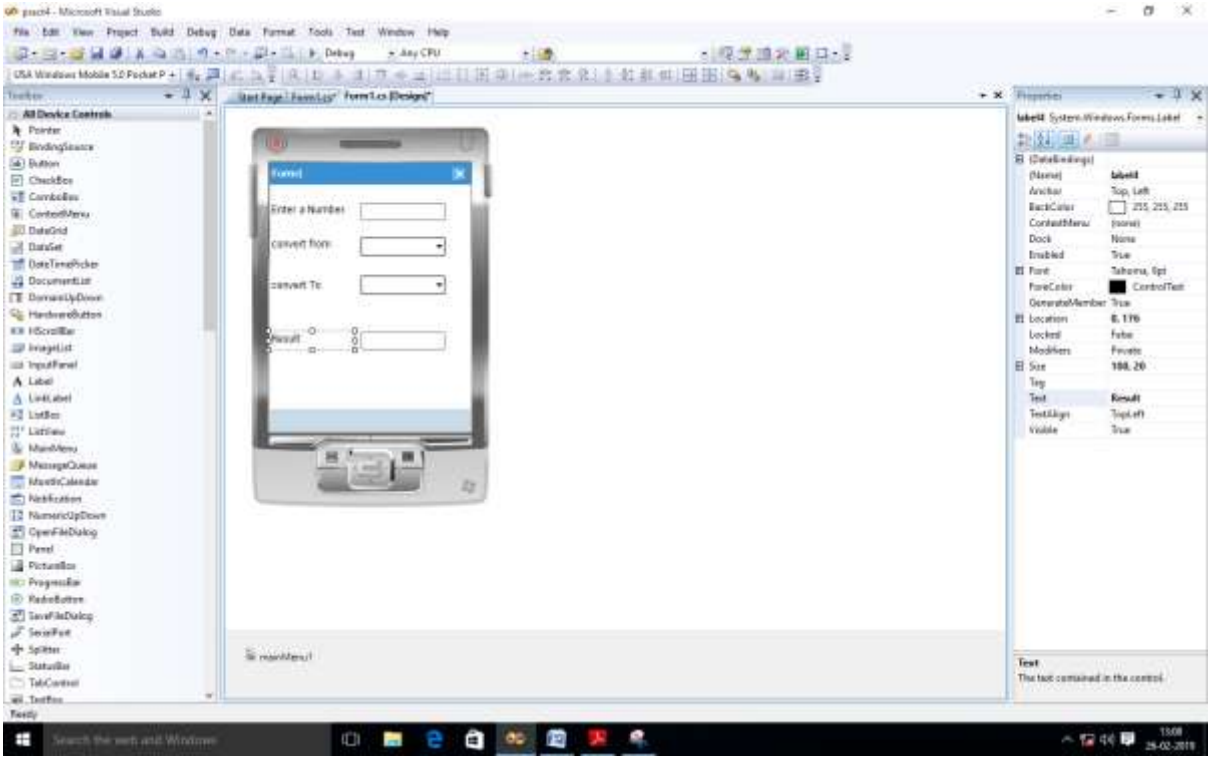
```
            private void btn_reset_Click (object sender, EventArgs e)
            {
                  t1.Text = "";
                  c1.Text = "";
                  l4.Text = "";
            }
      }
}
```

Output:


Pocket PC - WM 5.0
File
Flash
Help
Form1
9:35
ENTER VALUE
4
CURRENCY
dollar
CONVERT
RESET
IN RUPEES
276

Practical No: 4A

Aim: Design a unit converter in windows mobile.



Code:

```
using System;
using System.Linq;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Text;
using System.Windows.Forms;

namespace practs_4A
{
	public partial class Form1 : Form
	{
		double a,b;
		string v;
		public Form1()
		{
			InitializeComponent();
		}
		private void t1_TextChanged(object sender, EventArgs e)
		{
			a = Convert.ToDouble(t1.Text);
		}
		private void c1_SelectedIndexChanged(object sender, EventArgs e)
		{
			if (c1.Text == "cm")
```

```
        {
            l4.Text = "centimeter";
        }
            if (c1.Text == "m")
            {
                    l4.Text = "meter";
            }
            if (c1.Text == "mm")
            {
                    l4.Text = "millimeter";
            }
            if (c1.Text == "km")
            {
                    l4.Text = "kilometer";
            }
            if (c1.Text == "inch")
            {
                    l4.Text = "inches";
            }
            if (c1.Text == "foot")
            {
                    l4.Text = "feet";
            }
    }

    private void c2_SelectedIndexChanged(object sender, EventArgs e)
    {
            if (c2.Text == "cm")
            {
                    l5.Text = "centimeter";
            }
            if (c2.Text == "m")
            {
                    l5.Text = "meter";
            }
            if (c2.Text == "mm")
            {
                    l5.Text = "millimeter";
            }
            if (c2.Text == "km")
            {
                    l5.Text = "kilometer";
            }
            if (c2.Text == "inch")
            {
                    l5.Text = "inches";
            }
            if (c2.Text == "foot")
            {
                    l5.Text = "feet";
            }
    }

    private void b1_Click(object sender, EventArgs e)
    {
            if (c1.Text == "mm"&& c2.Text == "mm")
```

```
{
        l7.Text = a.ToString();

}
if (c1.Text == "mm"&& c2.Text == "cm")
{
        b = a*0.1;
        l7.Text = b.ToString();
}
if (c1.Text == "mm"&& c2.Text == "m")
{
        b = a * 0.001;
        l7.Text = b.ToString();
}
if (c1.Text == "mm"&& c2.Text == "km")
{
        b = a * 0.000001;
        l7.Text = b.ToString();
}
if (c1.Text == "mm"&& c2.Text == "inch")
{
        b = a * 0.0393;
        l7.Text = b.ToString();
}
if (c1.Text == "mm"&& c2.Text == "foot")
{
        b = a * 0.0032;
        l7.Text = b.ToString();
}

if (c1.Text == "cm"&& c2.Text == "mm")
{
        b = a * 10;
        l7.Text = b.ToString();
}
if (c1.Text == "cm"&& c2.Text == "cm")
{
        l7.Text = a.ToString();
}
if (c1.Text == "cm"&& c2.Text == "m")
{
        b = a /100;
        l7.Text = b.ToString();
}
if (c1.Text == "cm"&& c2.Text == "km")
{
        b = a / 100000;
        l7.Text = b.ToString();
}
if (c1.Text == "cm"&& c2.Text == "inch")
{
        b = a *0.3937;
        l7.Text = b.ToString();
}
if (c1.Text == "cm"&& c2.Text == "foot")
{
```

```
            b = a *0.0328;
            l7.Text = b.ToString();
        }

        if (c1.Text == "m"&& c2.Text == "mm")
        {
            b = a * 1000;
            l7.Text = b.ToString();
        }
        if (c1.Text == "m"&& c2.Text == "cm")
        {
            b = a * 100;
            l7.Text = b.ToString();
        }
        if (c1.Text == "m"&& c2.Text == "m")
        {
            l7.Text = a.ToString();
        }
        if (c1.Text == "m"&& c2.Text == "km")
        {
            b = a /1000;
            l7.Text = b.ToString();
        }
        if (c1.Text == "m"&& c2.Text == "inch")
        {
            b = a * 39.37;
            l7.Text = b.ToString();
        }
        if (c1.Text == "m"&& c2.Text == "foot")
        {
            b = a / 3;
            l7.Text = b.ToString();
        }
        if (c1.Text == "km"&& c2.Text == "mm")
        {
            b = a * 1000000;
            l7.Text = b.ToString();
        }
        if (c1.Text == "km"&& c2.Text == "cm")
        {
            b = a *100000;
            l7.Text = b.ToString();
        }
        if (c1.Text == "km"&& c2.Text == "m")
        {
            b = a * 1000;
            l7.Text = b.ToString();
              }
        if (c1.Text == "km"&& c2.Text == "km")
        {
            l7.Text = a.ToString();
        }
        if (c1.Text == "km"&& c2.Text == "inch")
        {
            b = a * 39370.0787;
            l7.Text = b.ToString();
```

```
}
if (c1.Text == "km"&& c2.Text == "foot")
{
        b = a *3280.8399;
        l7.Text = b.ToString();
}
if (c1.Text == "inch"&& c2.Text == "mm")
{
        b = a * 25.4;
        l7.Text = b.ToString();
         }
if (c1.Text == "inch"&& c2.Text == "cm")
{
        b = a * 2.54;
        l7.Text = b.ToString();
}
if (c1.Text == "inch"&& c2.Text == "m")
{
        b = a *0.0254;
        l7.Text = b.ToString();
}
if (c1.Text == "inch"&& c2.Text == "km")
{
        b = a *0.0000254;
        l7.Text = b.ToString();
}
if (c1.Text == "inch"&& c2.Text == "inch")
{
        l7.Text = a.ToString();
}
if (c1.Text == "inch"&& c2.Text == "foot")
{
        b = a * 0.0833;
        l7.Text = b.ToString();
}
if (c1.Text == "foot"&& c2.Text == "mm")
{
        b = a * 304.8;
        l7.Text = b.ToString();
}
if (c1.Text == "foot"&& c2.Text == "cm")
{
        b = a * 30.48;
        l7.Text = b.ToString();
}
if (c1.Text == "foot"&& c2.Text == "m")
{
        b = a * 0.3048;
        l7.Text = b.ToString();
}
if (c1.Text == "foot"&& c2.Text == "km")
{
        b = a * 0.0003048;
        l7.Text = b.ToString();
}
if (c1.Text == "foot"&& c2.Text == "inch")
```

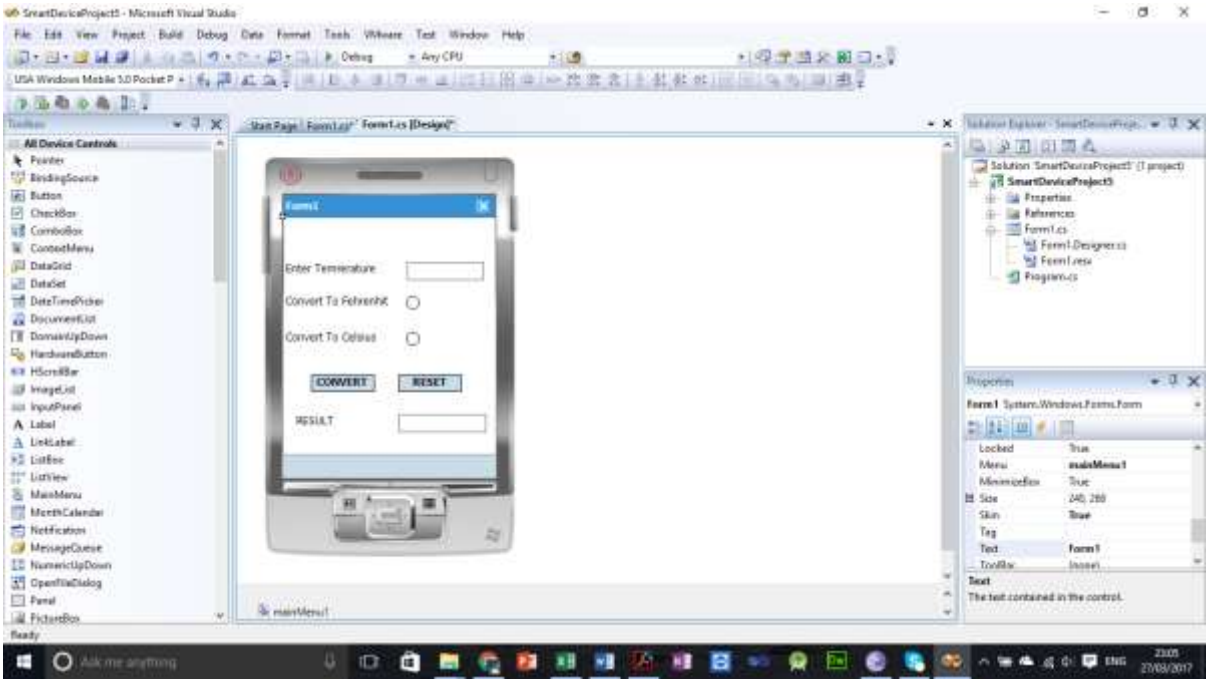
```
                    {
                        b = a *12;
                        l7.Text = b.ToString();
                    }
                    if (c1.Text == "foot"&& c2.Text == "foot")
                    {
                        l7.Text = a.ToString();
                    }
                }
            }
}
```

Output:


Pocket PC - WM 5.0
File Flash Help
Form1
1:25
Enter the value
121
Convert from
mm
millimeter
Convert to
inch
inches
Result
4.7553

Practical No: 4B

Aim: Design a temperature converter in windows mobile.



Code:

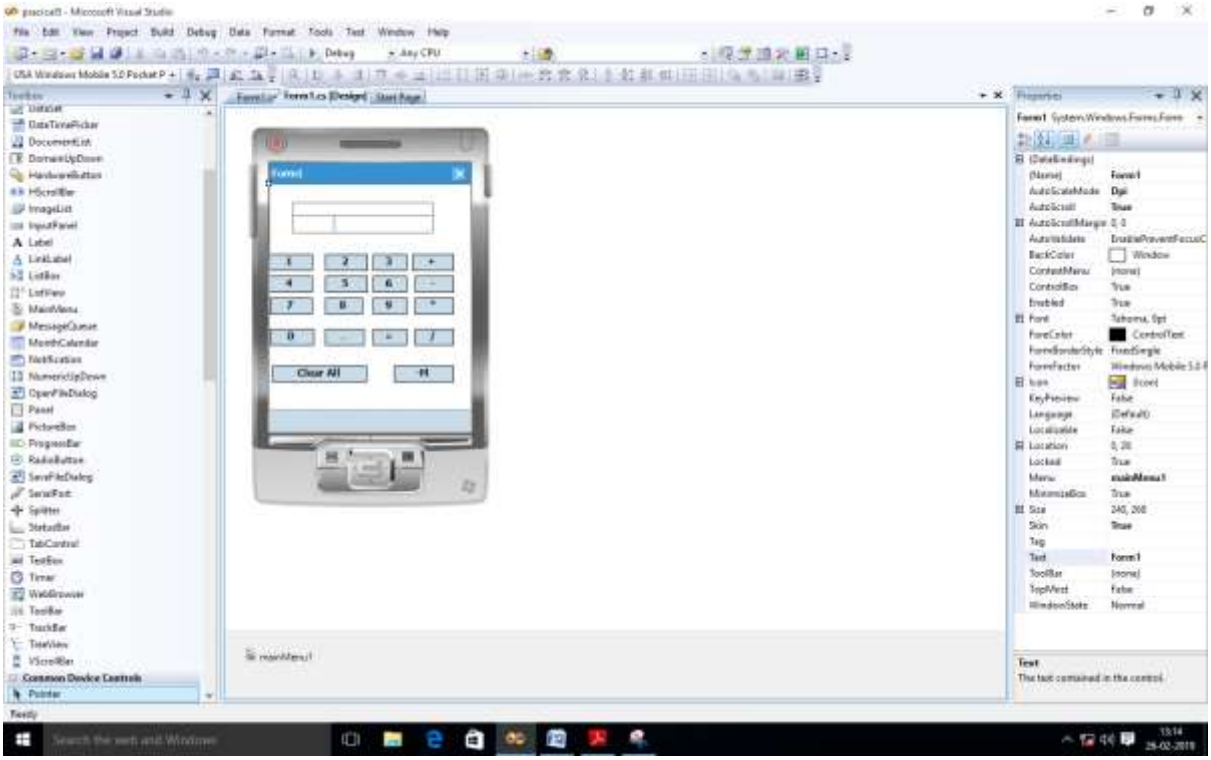
```
using System;
using System.Linq;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Text;
using System.Windows.Forms;

namespace practs_4B
{
        public partial class Form1 : Form
        {
                bool f, c;
                public Form1()
                {
                        InitializeComponent();
                }
                private void button1_Click(object sender, EventArgs e)
            {
                        if(r1.Checked == true)
                        {
                                double temp = Convert.ToDouble(t1.Text);
                                double ans = (temp * (9 / 5)) + 32;
                                t2.Text=ans.ToString();
                        }
                        if (r2.Checked == true)
                        {
```

```
                        double temp = Convert.ToDouble(t1.Text);
                        double ans = ((temp - 32) *5 / 9);
                        t2.Text = ans.ToString();
                }
        }
        private void button2_Click(object sender, EventArgs e)
        {
                t1.Text = "";
                t2.Text = "";
        }
    }
}
```

Output :

Practical No: 5

Aim: Design a standard calculator in windows mobile.



Code:

```
using System;
using System.Linq;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Text;
using System.Windows.Forms;

namespace stdcalc
{
	public partial class Form1 : Form
	{
		public Form1()
		{
			InitializeComponent();
		}
		privatedouble num1;
		privatedouble num2;
		privatestring cal;
		privatebool inputstatus = true;

		private void btn0_Click(object sender, EventArgs e)
		{
			if (inputstatus)
			{
```

```
                if (lblans.Text.Length >= 1)
                {
                lblans.Text += btn0.Text;
            }
        }
    }
    private void btn1_Click(object sender, EventArgs e)
    {
        if (inputstatus)
        {
            lblans.Text += btn1.Text;
        }
        else
        {
        lblans.Text = btn1.Text;
        inputstatus = true;
        }
    }
    private void btn2_Click(object sender, EventArgs e)
    {
        if (inputstatus)
        {
        lblans.Text += btn2.Text;
        }
        else
        {
            lblans.Text = btn2.Text;
            inputstatus = true;
        }
    }
    private void btn3_Click(object sender, EventArgs e)
    {
        if (inputstatus)
        {
            lblans.Text += btn3.Text;
        }
        else
        {
            lblans.Text = btn3.Text;
            inputstatus = true;
        }
    }
    private void btn4_Click(object sender, EventArgs e)
    {
        if (inputstatus)
        {
            lblans.Text += btn4.Text;
        }
        else
    {
    lblans.Text = btn4.Text;
    inputstatus = true;
    }
   }
    private void btn5_Click(object sender, EventArgs e)
    {
```

```
        if (inputstatus)
    {
        lblans.Text += btn5.Text;
    }
        else
        {
        lblans.Text = btn5.Text;
        inputstatus = true;
    }
}
private void btn6_Click(object sender, EventArgs e)
{
        if (inputstatus)
        {
            lblans.Text += btn6.Text;
    }
        else
    {
        lblans.Text = btn6.Text;
                inputstatus = true;
        }

}
private void btn7_Click(object sender, EventArgs e)
{
        if (inputstatus)
        {
                lblans.Text += btn7.Text;
        }
        else
    {
            lblans.Text = btn7.Text;
            inputstatus = true;
    }
}
private void btn8_Click(object sender, EventArgs e)
{
        if (inputstatus)
        {
                lblans.Text += btn8.Text;
        }
        else
        {
                lblans.Text = btn8.Text;
                inputstatus = true;
        }
}
private void btn9_Click(object sender, EventArgs e)
{
        if (inputstatus)
    {
            lblans.Text += btn9.Text;
    }
        else
    {
        lblans.Text = btn9.Text;
```

```
            inputstatus = true;
            }
    }
    private void btnadd_Click(object sender, EventArgs e)
    {
            if (lblans.Text.Length != 0)
        {
                    num1 = System.Double.Parse(lblans.Text);
                result();
            cal = "+";
            }
    }
    private void btnsub_Click(object sender, EventArgs e)
    {
            if (lblans.Text.Length != 0)
        {
                num1 = System.Double.Parse(lblans.Text);
                result();
                cal = "-";
        }
    }
    private void btnmul_Click(object sender, EventArgs e)
    {
            if (lblans.Text.Length != 0)
            {
                    num1 = System.Double.Parse(lblans.Text);
                    result();
                    cal = "*";
            }
    }
    private void btndiv_Click(object sender, EventArgs e)
    {
            if (lblans.Text.Length != 0)
        {
                num1 = System.Double.Parse(lblans.Text);
                result();
                cal = "/";
        }
    }
    private void btnequl_Click(object sender, EventArgs e)
    {
            result();
            cal = string.Empty;
    }
    private void btn_Click(object sender, EventArgs e)
    {
            lblans.Text = string.Empty;
            num1 = 0;
            num2 = 0;
            cal = string.Empty;
    }
    private void result()
    {
            num2 = System.Double.Parse(lblans.Text);
            switch (cal)
            {
```

```
                        case"+":
                                num1 = num1 + num2;
                        break;
                        case"-":
                                num1 = num1 - num2;
                        break;
                        case"*":
                                num1 = num1 * num2;
                        break;
                        case"/":
                                num1 = num1 / num2;
                        break;
                }
                    lblans.Text = num1.ToString();
                inputstatus = false;
            }
        }
}
```

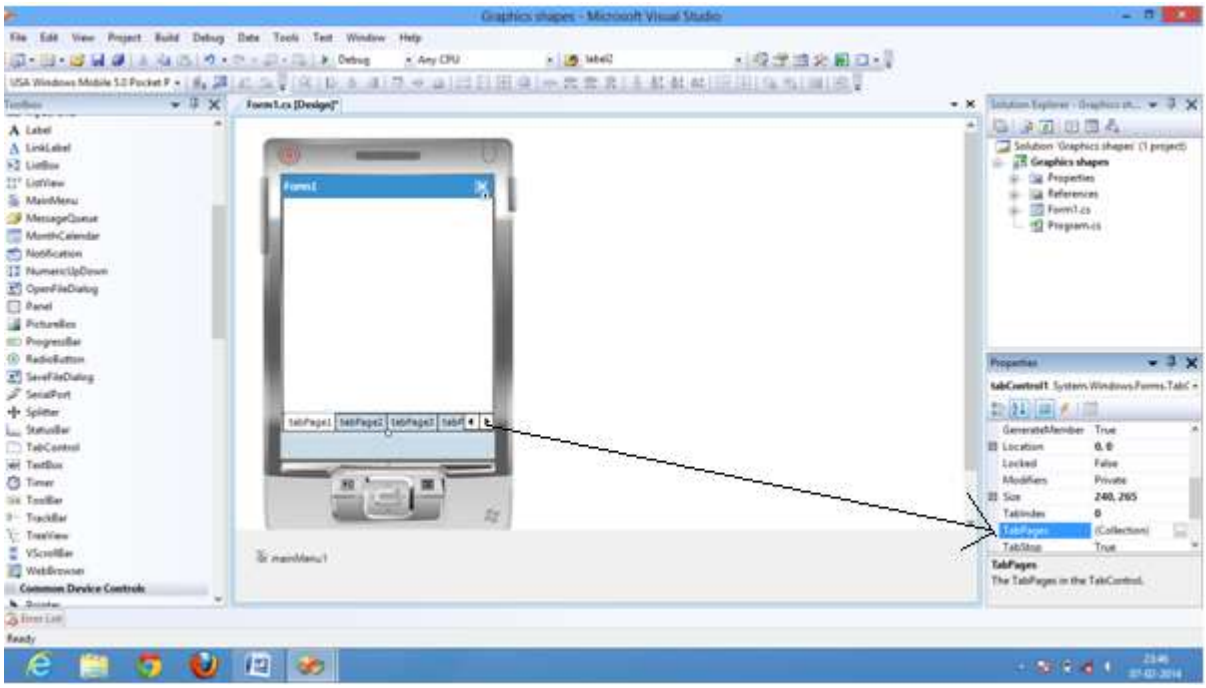
Output :


Pocket PC - WM 5.0
File
Flash
Help
Form1
3:52
444
/
8
1
2
3
+
4
5
6
-
7
8
9
/
0
-M
=
*
ClearAll

Practical No: 6

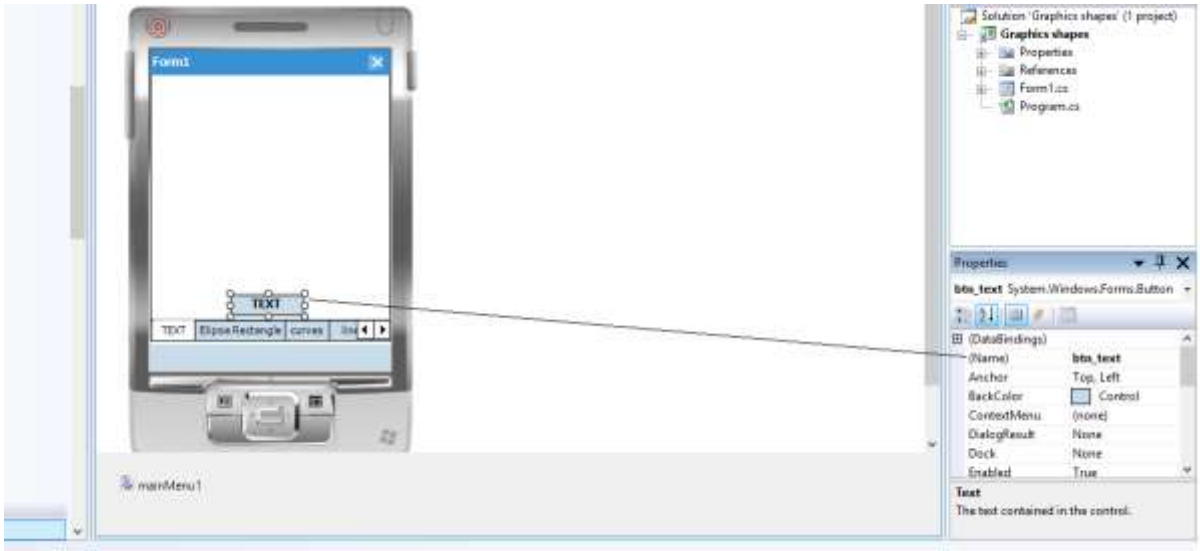
Aim: Design Graphics (display circle, square, rectangle, etc.) Application in Windows Mobile

Insert one tab control and add tabs from tab Pages Property from property window

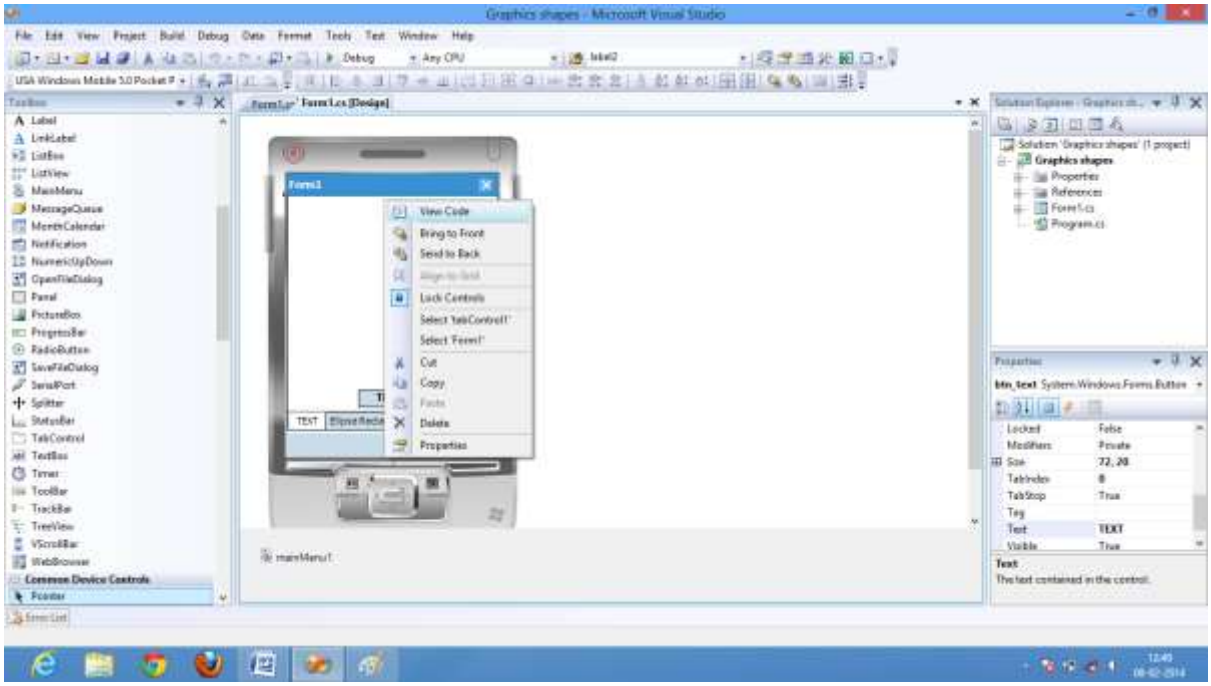


Change the text property of tab pages and add button in that tabpage also change the name and text property of button to the desired names

For eg in tab 1 the text of the tabpage is changed to "TEXT" and name of the button is changed to "btn_text"



Right click on form1 and click view code


Graphics shapes - Microsoft Visual Studio
File Edit View Project Build Debug Data Format Tools Test Window Help
Form1
View Code
Bring to Front
Send to Back
Lock Controls
Cut
Copy
Delete
Properties
TEXT
mainMenu1

Code:

```
using System;
using System.Linq;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Text;
using System.Windows.Forms;

namespace ImageChange{
        public partial class Form1 : Form
        {
        public Form1()
                {
                InitializeComponent();
        }
                private void DrawString()
                {
                        System.Drawing.Graphics tabgraphics = tabPage1.CreateGraphics();
                        string drawString = "Sample Text";
                        System.Drawing.Font drawFont = new System.Drawing.Font("Arial", 16,
                        FontStyle.Bold);

                        System.Drawing.SolidBrush drawBrush = new
                        System.Drawing.SolidBrush(System.Drawing.Color.Black);

                    float x = 60.0f;
                        float y = 50.0f;

                        tabgraphics.DrawString(drawString, drawFont, drawBrush, x, y);
                        drawFont.Dispose();
                        drawBrush.Dispose();
                        tabgraphics.Dispose();
                }
```

Double click on TEXT button of tabpage 1

```
                private void btn_text_Click(object sender, EventArgs e)
                {
                    DrawString();
                }
```

For tabpage 2

Add the following function

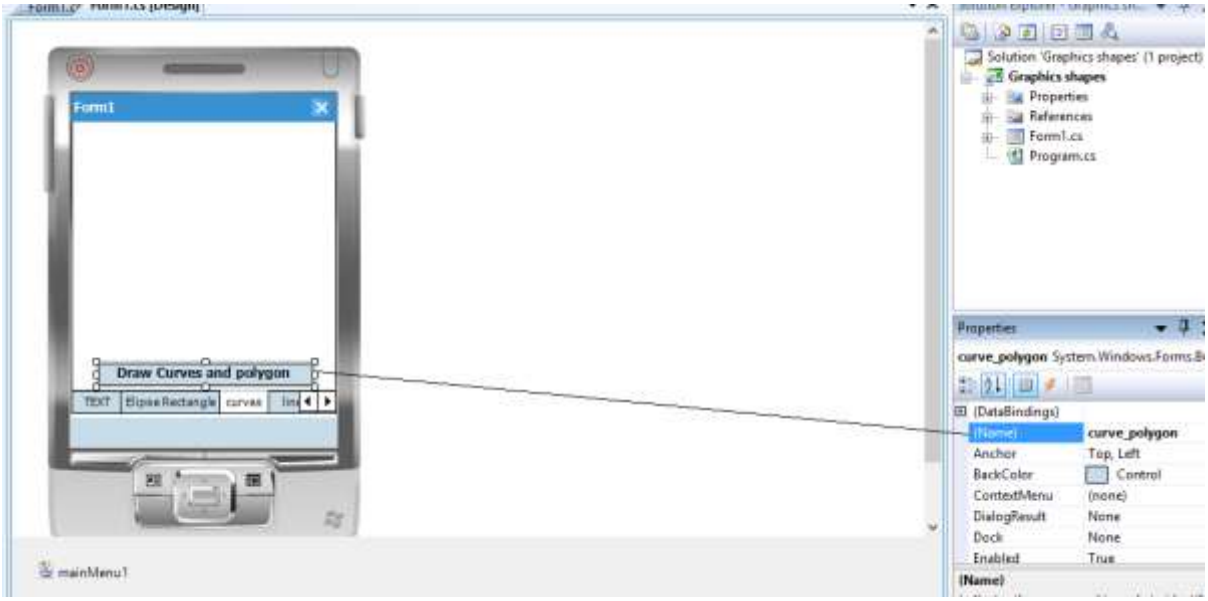
```
private void DrawIt()
{
        Pen p = new Pen(Color.Black);
        System.Drawing.Graphics tabgraphics1 = tabPage2.CreateGraphics();
        System.Drawing.Rectangle rectangle = new System.Drawing.Rectangle(50, 50,
        150, 150);
        tabgraphics1.DrawEllipse(p, rectangle);
        tabgraphics1.DrawRectangle(p, rectangle);
}
```

Double click on Draw button

```
private void btn_ellipse_rectangle_Click(object sender, EventArgs e)
{
        DrawIt();
}
```

For tab page 3

Change the name property



Add the following function in code

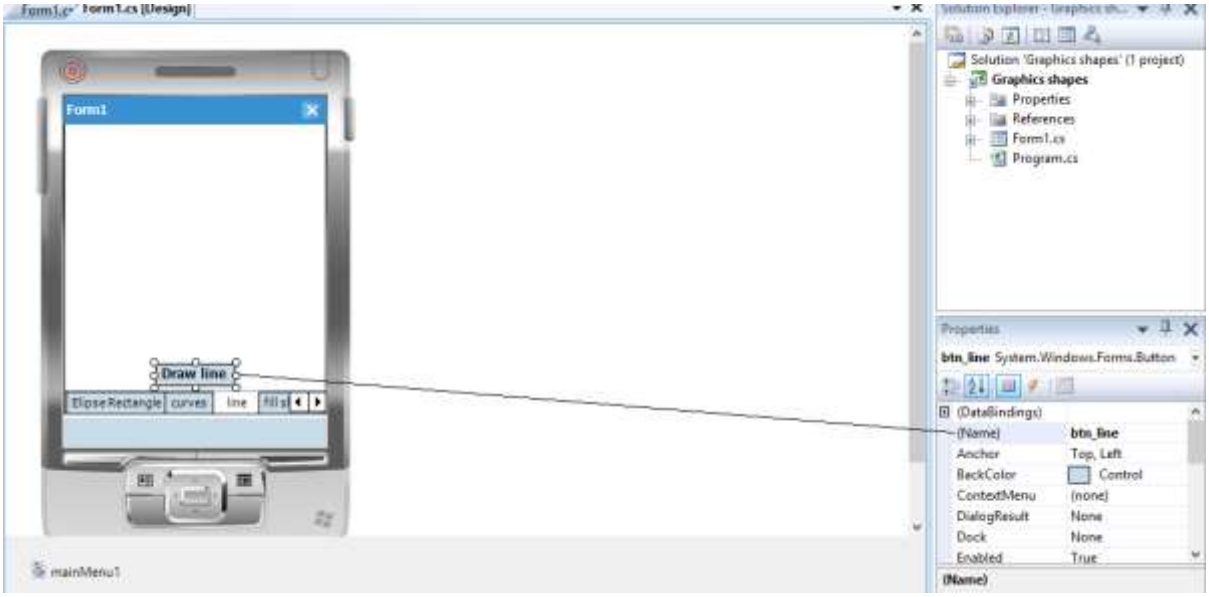
```
private void curves()
{
        System.Drawing.Graphics tabgraphics2 = tabPage3.CreateGraphics();
    System.Drawing.Pen myPen;
        myPen = new System.Drawing.Pen(System.Drawing.Color.Black);



        tabgraphics2.DrawEllipse(myPen, 0, 0, 200, 200);


        tabgraphics2.DrawEllipse(myPen, 120, 40, 40, 40);

        tabgraphics2.DrawEllipse(myPen, 40, 40, 40, 40);

        Point[] apt = new Point[4];
        apt[0] = new Point(60, 140);
        apt[1] = new Point(140, 150);
        apt[2] = new Point(100, 180);
        apt[3] = new Point(60, 140);


        tabgraphics2.DrawPolygon(myPen, apt);
}
```

Double click on Draw curve and polygon button

```
private void curve_polygon_Click(object sender, EventArgs e)
{
        curves();
```

}

For tab page 4



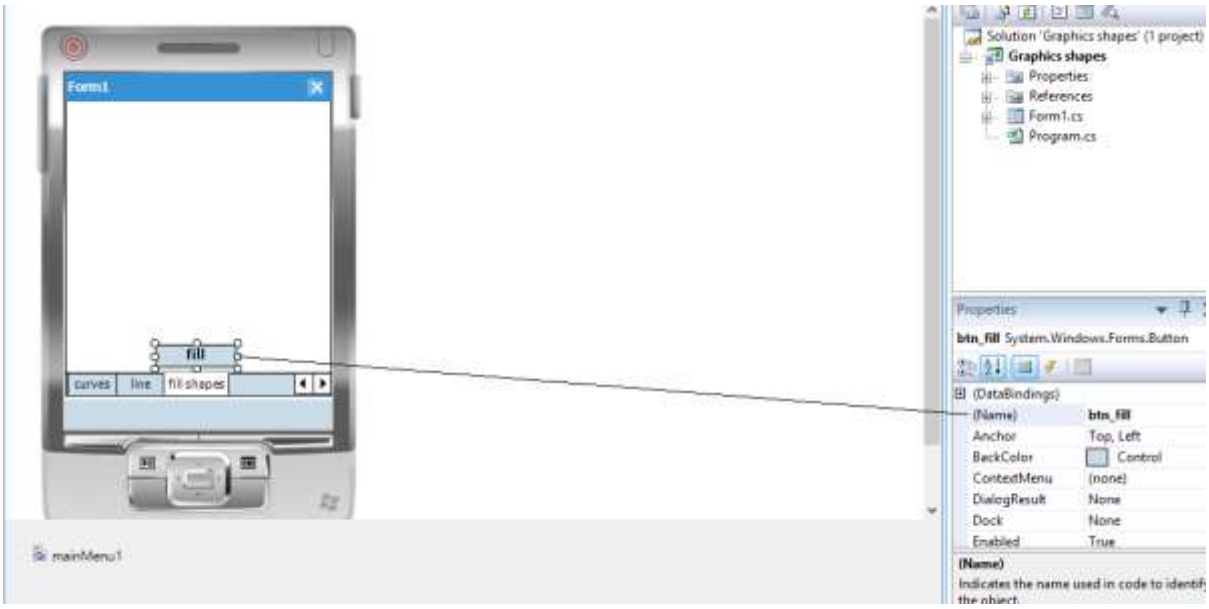
Add the following function in code for lines

```
private void lines()
{
        Pen p = new Pen(Color.BlueViolet);
        System.Drawing.Graphics tabgraphics3 = tabpage4.CreateGraphics();
        for (int i = 100; i > 10;i-=5 )
        {
                tabgraphics3.DrawLine(p, 50,100, i,i);
        }
        Point[] apt1 = new Point[4];
        apt1[0] = new Point(60, 140);
        apt1[1] = new Point(140, 150);
        apt1[2] = new Point(100, 180);
        apt1[3] = new Point(60, 140);
        tabgraphics3.DrawLines(p, apt1);
}
```

Double click on Draw Line button

```
private void btn_line_Click(object sender, EventArgs e)
{
lines();
}
```

For tab page 5



Add the following function in code

```
private void fill_shapes()
{
        System.Drawing.SolidBrush brush1 = new
System.Drawing.SolidBrush(System.Drawing.Color.Red);
        System.Drawing.Graphics tabGraphics = tabPage5.CreateGraphics();
        tabGraphics.FillEllipse(brush1, new System.Drawing.Rectangle(50, 50, 75, 30));
        brush1.Dispose();


        System.Drawing.SolidBrush brush2 = new
System.Drawing.SolidBrush(System.Drawing.Color.Blue);
        System.Drawing.Graphics tabGraphics1 = tabPage5.CreateGraphics();
        tabGraphics1.FillRectangle(brush2, new System.Drawing.Rectangle(150, 150,
100, 150));
        brush2.Dispose();
        tabGraphics1.Dispose();

        Point[] apt1 = new Point[4];
        apt1[0] = new Point(60, 140);
        apt1[1] = new Point(140, 150);
        apt1[2] = new Point(100, 180);
        apt1[3] = new Point(60, 140);

        System.Drawing.SolidBrush brush3 = new
System.Drawing.SolidBrush(System.Drawing.Color.Gold);
```

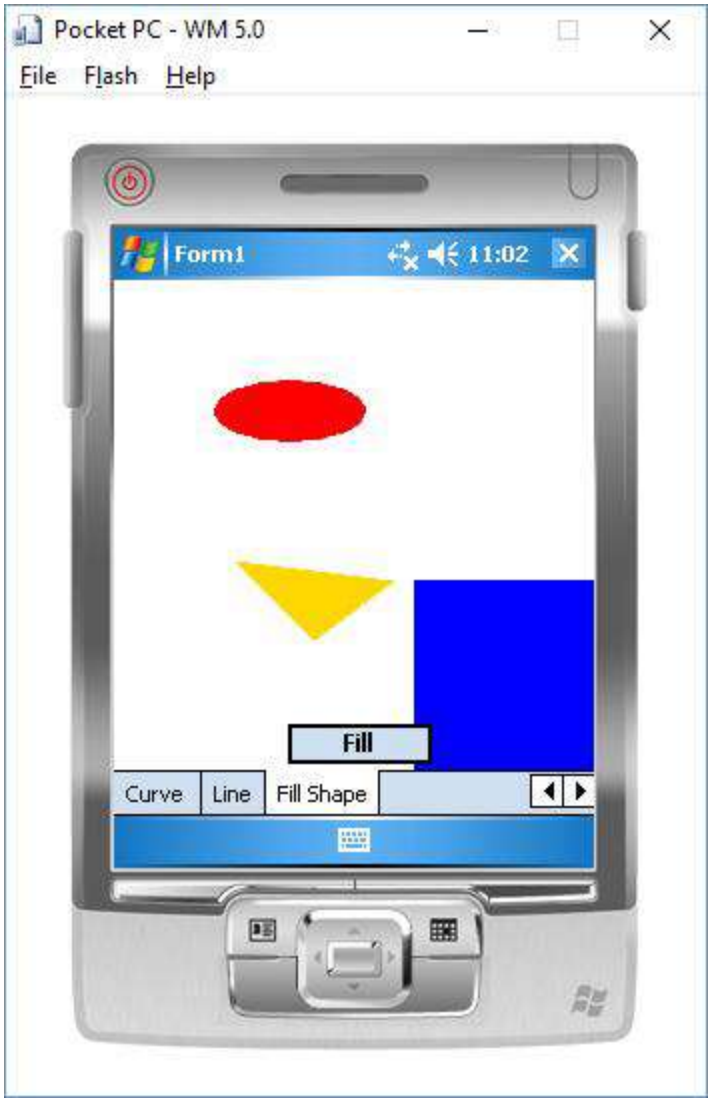
```
            System.Drawing.Graphics tabGraphics2 = tabPage5.CreateGraphics();
            tabGraphics2.FillPolygon(brush3,apt1);
            brush1.Dispose();
            tabGraphics.Dispose();
    }
```

Double click on fill button

```
    private void btn_fill_Click(object sender, EventArgs e)
{
            fill_shapes();
    }
```

Output:


Pocket PC - WM 5.0
File Flash Help
Form1
11:01
Draw Line
Text
Elipse Rectangle
Curve
Line


Pocket PC - WM 5.0
File Flash Help
Form1
11:02
Fill
Curve
Line
Fill Shape

Practical No: 7

Aim: Design Link Navigator Application in Android/Windows Mobile.

Code:

```
using System;
using System.Linq;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Text;
using System.Windows.Forms;

namespace practs_8
{
        public partial class Form1 : Form
        {
        public Form1()
        {
                InitializeComponent();
        }
        private void enter_key_press(object sender, KeyEventArgs e)
        {
                        if (e.KeyCode == Keys.Enter)
                        {
                                WebBrowser wb = new WebBrowser();
                                if (tabControl1.SelectedIndex == 0)
                                {
                                        tabPage1.Controls.Add(wb);
                                        wb.Dock = DockStyle.Fill;
                                        System.Uri adr = new Uri("http://" + txt_adr.Text + "/");
                                        wb.Navigate(adr);
                                        try{
                                                tabPage1.Text = wb.Url.Host.ToString();
                                        }catch (Exception er){
```

```
                        tabPage1.Text = "Error";
                        System.Uri adr1 = new
                    Uri(@"file://\Windows\default.htm");
                        wb.Navigate(adr1);
                    }
                }else if (tabControl1.SelectedIndex == 1)
                {
                    tabPage2.Controls.Add(wb);
                    wb.Dock = DockStyle.Fill;
                    System.Uri adr = new Uri("http://" + txt_adr.Text + "/");
                    wb.Navigate(adr);
                    try{
                        tabPage2.Text = wb.Url.Host.ToString();
                    }catch (Exception er)
                    {
                        tabPage2.Text = "Error";
                        System.Uri adr1 = new
                    Uri(@"file://\Windows\default.htm");
                        wb.Navigate(adr1);
                    }
                }else
                {}
            }
        }

        private void search_Click(object sender, EventArgs e)
        {
            WebBrowser wb = new WebBrowser();
            if (tabControl1.SelectedIndex == 0)
            {
                tabPage1.Controls.Add(wb);
                wb.Dock = DockStyle.Fill;
                System.Uri adr = new Uri("http://" + txt_adr.Text + "/");
                wb.Navigate(adr);

                try{
                    tabPage1.Text = wb.Url.Host.ToString();
                }catch (Exception er)
               {
                    tabPage1.Text = "Error";
                    System.Uri adr1 = new Uri(@"file://\Windows\default.htm");
                    wb.Navigate(adr1);
                    }

            }
            else if (tabControl1.SelectedIndex == 1)
            {
                tabPage2.Controls.Add(wb);
                wb.Dock = DockStyle.Fill;
                System.Uri adr = new Uri("http://" + txt_adr.Text+"/");
                wb.Navigate(adr);
                try{
                    tabPage2.Text = wb.Url.Host.ToString();
                }
                catch (Exception er)
                {
```

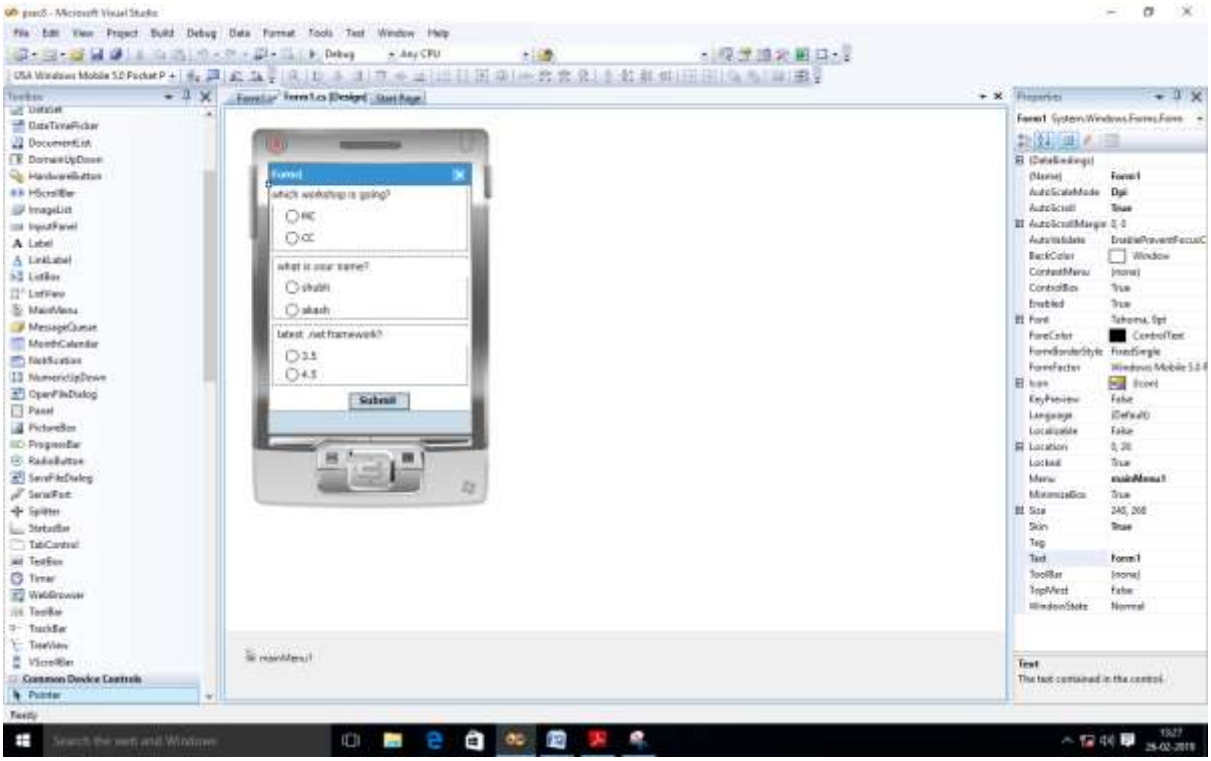
```
                                tabPage2.Text = "Error";
                                System.Uri adr1 = new Uri(@"file://\Windows\default.htm");
                                wb.Navigate(adr1);
                            }
                        }
                        else
                        {}
                    }
                }
}
```

Output:


Web Browser
2:42
Microsoft
Internet Explorer Mobile
Welcome! Tap below to visit these sites, or here to learn about connecting to the Internet.
MOBILE OPERATOR
OEM
Windows Mobile
Error
Blank
www.google.com
Search
Start
2:40
Cannot Connect
Cannot connect with current connection settings. To change your connection settings, tap Settings.
Settings
Dismiss
MOBILE OPERATOR
OEM
Windows Mobile
Error
Blank
www.google.com
Search

Practical No: 8

Aim: Design a Quiz program in windows mobile.

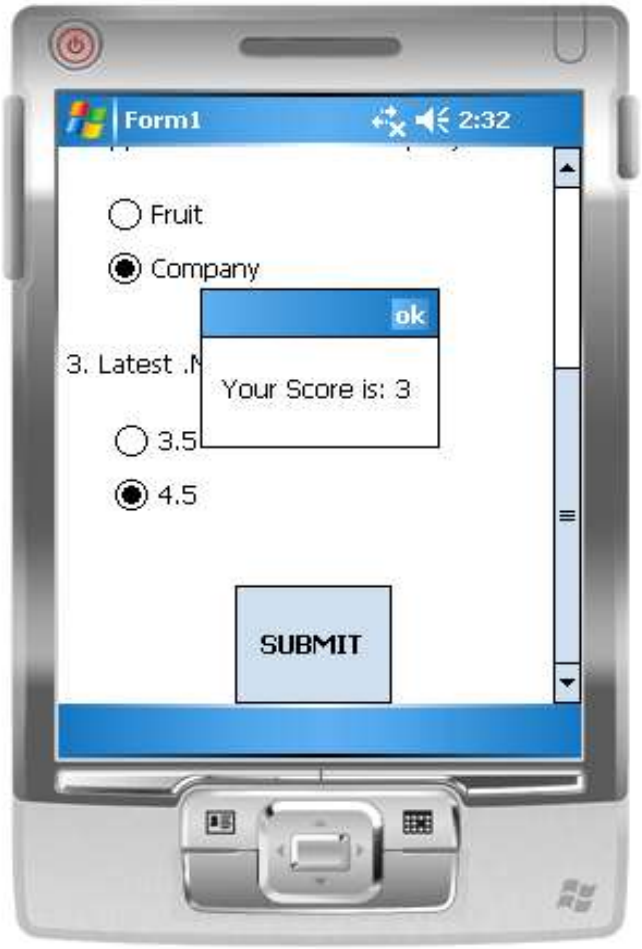


Code:

```
using System;
using System.Linq;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Text;
using System.Windows.Forms;

namespace practs_7
{
	public partial class Form1 : Form
	{
		int score = 0;
		public Form1(){
			InitializeComponent();
		}
		private void button1_Click(object sender, EventArgs e)
		{
			if (radioButton1.Checked == true && radioButton3.Checked == true &&
		radioButton5.Checked == true)
			{
				MessageBox.Show("Your Score is: 3");
		    }
		if (radioButton1.Checked == true && radioButton3.Checked == true &&
radioButton5.Checked == false)
```

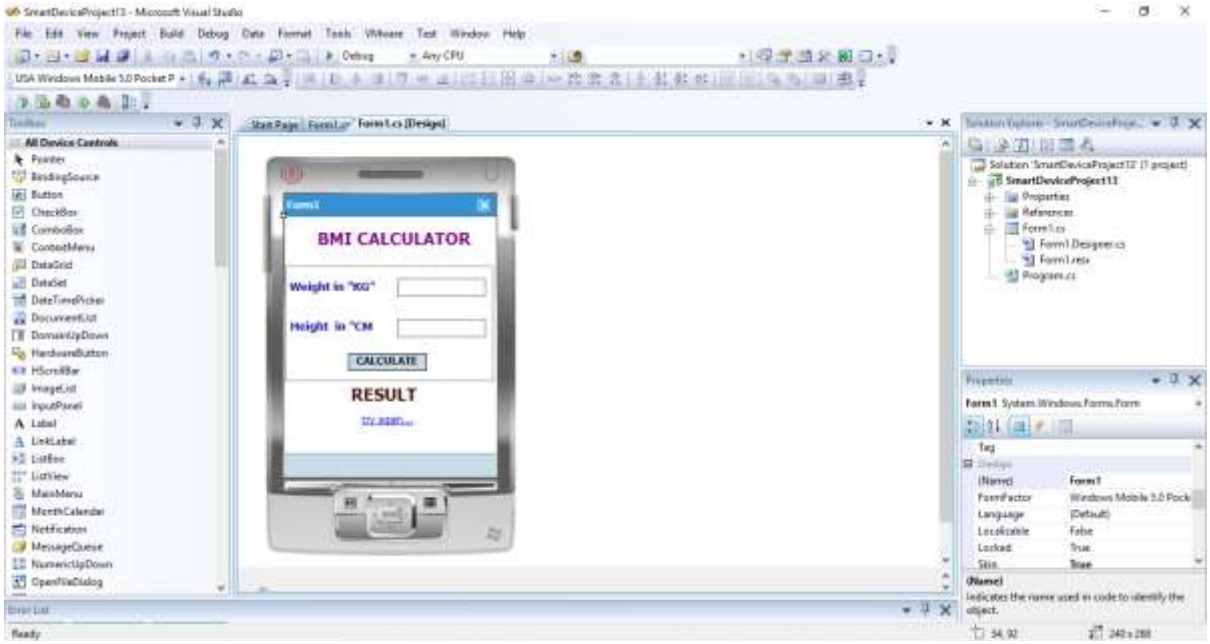
```
                {
                MessageBox.Show("Your Score is: 2");
                }
                if (radioButton1.Checked == true && radioButton3.Checked == false &&
radioButton5.Checked == false)
                {
                MessageBox.Show("Your Score is: 1");
                }
                if (radioButton1.Checked == false && radioButton3.Checked == false &&
radioButton5.Checked == false)
                {
                MessageBox.Show("Your Score is: 0");
                }
                if (radioButton1.Checked == true && radioButton3.Checked == false &&
radioButton5.Checked == true)
                {
                MessageBox.Show("Your Score is: 2");
                }
                if (radioButton1.Checked == false && radioButton3.Checked == true &&
radioButton5.Checked == true)
                {
                MessageBox.Show("Your Score is: 2");
                }
                if (radioButton1.Checked == false && radioButton3.Checked == false &&
radioButton5.Checked == true)
                {
                MessageBox.Show("Your Score is: 1");
                }
        }

        }

}
```

Output:


Form1
2:32
Fruit
Company
ok
3. Latest .N
Your Score is: 3
3.5
4.5
SUBMIT

Practical No: 9A

Aim: Design a BMI caculator in windows mobile.

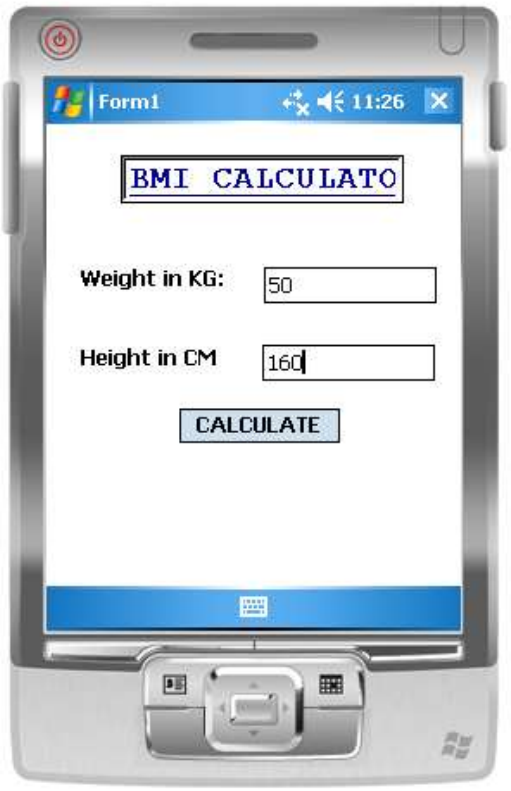


Code :

```
using System;
using System.Linq;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Text;
using System.Windows.Forms;

namespace bmi
{
	public partial class Form1 : Form
	{
		public myForm1()
		{
			InitializeComponent();
		}

		private void Cal_Click(object sender, EventArgs e)
	    {
			double w = double.Parse(txtwt.Text);
			double h = double.Parse(txtht.Text);
		h = h / 100;
			double ht = h * h;
			double ans = w / ht;
		lblResult.Text=ans.ToString();
			if (ans > 0 && ans <= 18)
			{
				lblbmi.Text="slim";
			}
```

```
                if (ans > 19 && ans <= 25)
                {
                        lblbmi.Text="fit";
                }
                if (ans > 25)
                {
                        lblbmi.Text="fat";
                }
            p1.Visible = false;
            lblbmi.Visible = true;
            label1.Visible = true;
            lblResult.Visible = true;
            linktry.Visible = true;
            }

            private void link_Click(object sender, EventArgs e)
            {
                Linktry.Visible=false;
                txtht.Text = "";
                txtwt.Text = "";
                p1.Visible = true;
                lblbmi.Visible = false;
                label1.Visible = false;
                lblResult.Visible = false;
            }

            private void myForm1_Load(object sender, EventArgs e)
        {
                lblbmi.Visible = false;
                label1.Visible = false;
                lblResult.Visible = false;
                link.Visible = false;
        }
    }
}
```

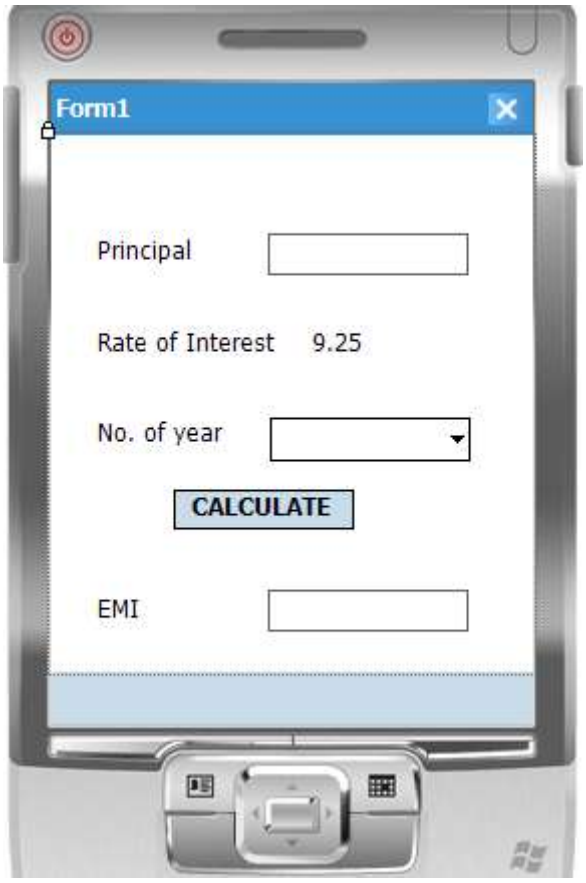
Output:


Form1
11:26
BMI CALCULATO
Weight in KG:
50
Height in CM
160
CALCULATE


Pocket PC - WM 5.0
File Flash Help
Form1
11:26
BMI CALCULATO
Fit !!!
Try Again

Practical No: 9B

Aim: Design an EMI calculator in windows mobile.



Code:

```
using System;
using System.Linq;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Text;
using System.Windows.Forms;

namespace pract6
{
	public partial class Form1 : Form
	{
		public myForm1()
		{
			InitializeComponent();
		}

		private void Cal_Click(object sender, EventArgs e)
		{
			if(txtPrin.Text==""&& txtRoi.Text==""){
				MessageBox.Show("Please enter a Values");
```

```
                txtPrin.Focus();
                txtRoi.Focus();
            }
                else{
                        double p, r, sI,n,c;
                        p = Double.Parse(txtPrin.Text);
                        double roi = Double.Parse(txtRoi.Text);
                        String a=cmbyr.Text;
                        if (a == "6 Months")
                        {
                                n = 0.5;
                                r = roi/12/100;
                                c = pow(1+r,n);
                                sI = p * r * c / ( c – 1 );
                                lblResult.Text = sI.ToString();
                        }
                        elseif(a=="1 Year")
                        {
                                n = 1;
                                r = roi/12/100;
                                c = pow(1+r,n);
                                sI = p * r * c / ( c – 1 );
                                lblResult.Text = sI.ToString();
                        }
                        elseif(a=="2 Years")
                        {
                                n = 2;
                                r = roi/12/100;
                                c = pow(1+r,n);
                                sI = p * r * c / ( c – 1 );
                                lblResult.Text = sI.ToString();
                        }
                        elseif (a == "3 Years")
                        {
                                n = 3;
                                r = roi/12/100;
                                c = pow(1+r,n);
                                sI = p * r * c / ( c – 1 );
                                lblResult.Text = sI.ToString();
                        }
        }
    }
        private void btnReset_Click(object sender, EventArgs e)
        {
                txtRoi.Text = "";
                txtPrin.Text = "";
                cmbyr.Text = "";
        }
    }
}
```

Output:


Form1
8:34
EMI
Principal
2000
Rate of Intrest
5
No.of Years
1 Year
Calculator
RESET
171.21