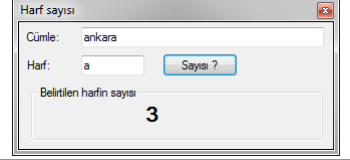


C# GENEL ÖRNEKLER

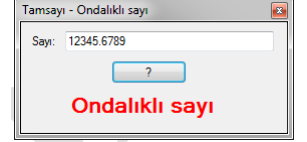
Girilen cümledeki belirtilen harfin/karakterin sayısını tespit eden program

```
private void button1_Click(object sender, EventArgs e)
{
    string c = textBox1.Text; char h = Convert.ToChar(textBox2.Text); int s = 0;
    foreach (char a in c)
        if (a == h) s++;
    label3.Text = s.ToString();
}
```

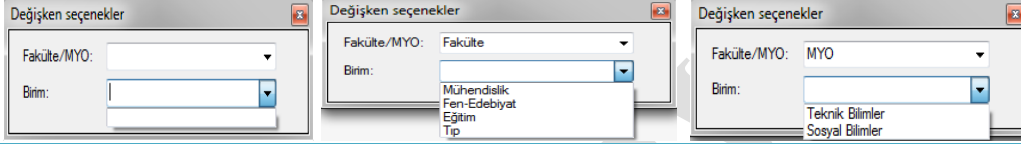


Girilen sayının tamsayı mı ondalıklı sayı mı olduğunu tespit eden program

```
private void button1_Click(object sender, EventArgs e)
{
    int i, n; string k; k=textBox1.Text; n = k.Length;
    for (i = 0; i < n; i++)
        if ((k.Substring(i, 1) == ".") || (k.Substring(i, 1) == ","))
            { label2.Text = "Ondalıklı sayı"; break; }
        else label2.Text = "Tamsayı";
}
```



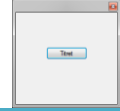
Değişken seçenekler oluşturma



```
private void comboBox1_SelectedIndexChanged(object sender, EventArgs e)
{
    comboBox2.Items.Clear(); comboBox2.Text = "";
    if (comboBox1.Text == "Fakülte")
        { comboBox2.Items.Add("Mühendislik"); comboBox2.Items.Add("Fen-Edebiyat");
          comboBox2.Items.Add("Eğitim"); comboBox2.Items.Add("Tıp"); }
    if (comboBox1.Text == "MYO")
        { comboBox2.Items.Add("Teknik Bilimler"); comboBox2.Items.Add("Sosyal Bilimler"); }
}
```

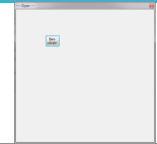
Program ekranını titretme

```
private void button1_Click(object sender, EventArgs e)
{
    for (int i = 1; i < 1001; i++)
        { this.Left += 5; this.Top += 5; this.Left -= 5; this.Top -= 5; }
}
```

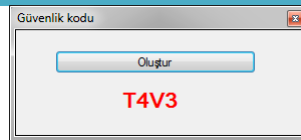


Nesneyi yakalama oyunu

```
private void button1_MouseEnter(object sender, EventArgs e)
{
    Random r=new Random();
    button1.Left = r.Next(1, this.Width - button1.Width);
    button1.Top = r.Next(1, this.Height - button1.Height);
}
```



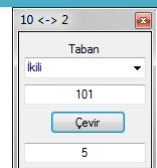
Dört basamaklı güvenlik kodu oluşturma



```
private void button1_Click(object sender, EventArgs e)
{
    Random r = new Random(); label1.Text = "";
    label1.Text = (char)r.Next(65, 91) + r.Next(0, 10).ToString() + (char)r.Next(65, 91) + r.Next(0, 10).ToString();
}
```

10 <-> 2 tabanları arasında dönüşüm

```
private void button1_Click(object sender, EventArgs e)
{
    if (comboBox1.Text == "İkili")
        textBox2.Text = Convert.ToString(Convert.ToInt32(textBox1.Text, 2), 10);
    else
        textBox2.Text = Convert.ToString(Convert.ToInt32(textBox1.Text, 10), 2);
}
```



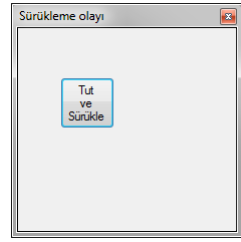
Nesneyi sürükleyip bırakma

```
bool a; int ix, iy;
```

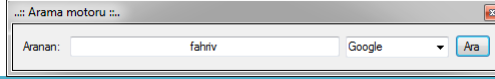
```
private void button1_MouseUp(object sender, MouseEventArgs e)
{ a = false; }

private void button1_MouseDown(object sender, MouseEventArgs e)
{ a = true; ix=Cursor.Position.X-button1.Left; iy=Cursor.Position.Y-button1.Top; }

private void button1_MouseMove(object sender, MouseEventArgs e)
{ if (a) { button1.Left = e.X - ix; button1.Top = e.Y - iy; } }
```

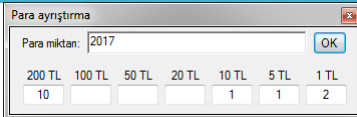


Basit arama motoru



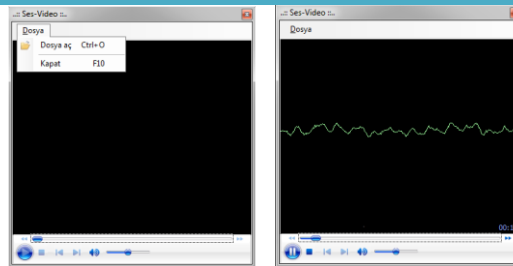
```
private void button1_Click(object sender, EventArgs e)
{ string arama;
  if (comboBox1.Text == "Google")
  { arama = "http://www.google.com.tr/search?q=" + textBox1.Text; System.Diagnostics.Process.Start(arama); }
  if (comboBox1.Text == "Bing")
  { arama = "http://www.bing.com/search?q=" + textBox1.Text; System.Diagnostics.Process.Start(arama); }
  if (comboBox1.Text == "Yandex")
  { arama = "http://www.yandex.com.tr/search/?&text=" + textBox1.Text; System.Diagnostics.Process.Start(arama); }
}
```

Para miktarını ayırıştırma



```
private void button1_Click(object sender, EventArgs e)
{ int para; para = Convert.ToInt32(richTextBox1.Text);
  foreach (Control a in this.Controls)
  { if (a is TextBox) { TextBox b = (TextBox)a; b.Clear(); }
    if (para >= 200)
    { textBox1.Text = (para / 200).ToString(); para -= Convert.ToInt32(textBox1.Text) * 200; }
    if (para >= 100)
    { textBox2.Text = (para / 100).ToString(); para -= Convert.ToInt32(textBox2.Text) * 100; }
    if (para >= 50)
    { textBox3.Text = (para / 50).ToString(); para -= Convert.ToInt32(textBox3.Text) * 50; }
    if (para >= 20)
    { textBox4.Text = (para / 20).ToString(); para -= Convert.ToInt32(textBox4.Text) * 20; }
    if (para >= 10)
    { textBox5.Text = (para / 10).ToString(); para -= Convert.ToInt32(textBox5.Text) * 10; }
    if (para >= 5)
    { textBox6.Text = (para / 5).ToString(); para -= Convert.ToInt32(textBox6.Text) * 5; }
    if (para >= 1)
    { textBox7.Text = para.ToString(); para -= Convert.ToInt32(textBox7.Text); }
  }
}
```

Ses-video



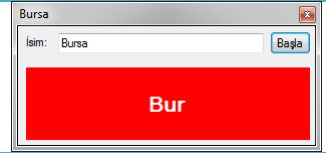
```
private void dosyaAçToolStripMenuItem_Click(object sender, EventArgs e)
{ openFileDialog1.Title = "Dosya seç...";
  openFileDialog1.Filter = "Ses dosyaları|*.wav;*.mp3|Video dosyaları|*.avi;*.dat;*.mpg;*.wmv";
  if ((openFileDialog1.ShowDialog()) == DialogResult.OK) && (openFileDialog1.FileName.Length > 0))
  axWindowsMediaPlayer1.URL = openFileDialog1.FileName;
}

private void kapatToolStripMenuItem_Click(object sender, EventArgs e)
{ this.Close(); }
```

Kayan yazı

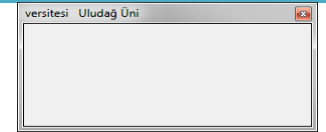
```
int s, uz; string k;
private void button1_Click(object sender, EventArgs e)
{ k = textBox1.Text; this.Text = k; timer1.Enabled = true; uz = k.Length; s = 1; }

private void timer1_Tick(object sender, EventArgs e)
{ label2.Text = k.Substring(0, s); s++; if (s > uz) s = 1; }
```



Başlıkta kayan yazı

```
string k = "Uludağ Üniversitesi "; int s = -1;
private void timer1_Tick(object sender, EventArgs e)
{ s++; if (s == 23) s = 0;
  this.Text = k.Substring(s, 22 - s) + k.Substring(0, s);
}
```



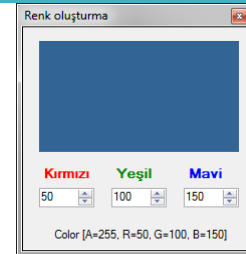
Resim üzerinde tıklanan pikselin rengini öğrenme

```
private void pictureBox1_MouseDown(object sender, MouseEventArgs e)
{
  Bitmap r = new Bitmap(pictureBox1.Image);
  Color renk = r.GetPixel(e.X, e.Y);
  label1.Text = "Kırmızı: " + renk.R.ToString();
  label2.Text = "Yeşil: " + renk.G.ToString();
  label3.Text = "Mavi: " + renk.B.ToString();
}
```



Renk oluşturma (RGB)

```
private void numericUpDown1_ValueChanged(object sender, EventArgs e)
{
  // Olaylar birleştirildi
  panel1.BackColor = Color.FromArgb(255, (int)numericUpDown1.Value,
                                     (int)numericUpDown2.Value,
                                     (int)numericUpDown3.Value);
  label4.Text=panel1.BackColor.ToString();
}
```



Griye dönüştürme

```
private void label1_Click(object sender, EventArgs e)
{
  if ((openFileDialog1.ShowDialog() == DialogResult.OK) && (openFileDialog1.FileName.Length > 0))
    pictureBox1.Image = new Bitmap(openFileDialog1.FileName);
}

private void button1_Click(object sender, EventArgs e)
{
  Bitmap eski = pictureBox1.Image as Bitmap;
  Bitmap yeni = new Bitmap(eski.Width, eski.Height);
  for (int i = 0; i < eski.Width; i++)
    for (int j = 0; j < eski.Height; j++)
    { Color renk = eski.GetPixel(i,j);
      int gri = (int)(renk.R * 0.3 + renk.G * 0.59 + renk.B * 0.11);
      yeni.SetPixel(i,j, Color.FromArgb(renk.A, gri, gri, gri)); }
  pictureBox2.Image = yeni;
}
```



Renk deęiřtirme



Color eski, yeni, renk;

```
private void panel2_Click(object sender, EventArgs e)
{
    if (colorDialog1.ShowDialog() == DialogResult.OK) { yeni = colorDialog1.Color; panel2.BackColor = yeni; }
}

private void button1_Click(object sender, EventArgs e)
{
    Bitmap r = pictureBox1.Image as Bitmap; Bitmap ryeni = new Bitmap(r.Width, r.Height);
    for (int i = 0; i < r.Width; i++)
        for (int j = 0; j < r.Height; j++)
            { renk = r.GetPixel(i, j);
              if (renk==eski)
                  ryeni.SetPixel(i, j, yeni);
              else
                  ryeni.SetPixel(i, j, renk); }
    pictureBox1.Image = ryeni;
}

private void pictureBox1_MouseDown(object sender, MouseEventArgs e)
{
    Bitmap r = pictureBox1.Image as Bitmap;
    eski = r.GetPixel(e.X, e.Y); panel1.BackColor = eski;
}
```

Resim döndürme



```
private void button1_Click(object sender, EventArgs e)
{
    if ((openFileDialog1.ShowDialog() == DialogResult.OK) && (openFileDialog1.FileName.Length > 0))
        pictureBox1.Image = new Bitmap(openFileDialog1.FileName);
}

private void button2_Click(object sender, EventArgs e)
{
    Bitmap r1;
    r1 = pictureBox1.Image as Bitmap;
    int aci = (int) numericUpDown1.Value;
    Bitmap r2 = new Bitmap(r1.Width, r1.Height);
    var alan = Graphics.FromImage(r2);
    alan.TranslateTransform((float)r1.Width / 2, (float)r1.Height / 2);
    alan.RotateTransform(aci);
    alan.TranslateTransform(-(float)r1.Width / 2, -(float)r1.Height / 2);
    alan.DrawImage(r1, new Point(0, 0));
    pictureBox1.Image = r2;
}
```