

Practical 7

Aim: Write a C# Program for the implementation of the Notepad, And Implement all the functions of Notepad.

#PROGRAM

```
namespace WindowsFormsApplication2
{
    public partial class Form1 : Form
    {
        int flag;
        public Form1()
        {
            InitializeComponent();
            flag = 0;
            _form1 = this;
        }
        public static Form1 _form1;
        public System.Windows.Forms.RichTextBox fet()
        {
            return _form1.richTextBox1;
        }
        private void saveToolStripMenuItem_Click(object sender, EventArgs e)
        {
            if (this.Text == "Untitled")
            {
                saveFileDialog1.ShowDialog();
                StreamWriter sw = new StreamWriter(saveFileDialog1.FileName);
                foreach (String s in richTextBox1.Lines)
                {
                    sw.WriteLine(s);
                }
                sw.Close();
                this.Text = saveFileDialog1.FileName;
                flag = 0;
            }
            else
            {
                StreamWriter sw = new StreamWriter(this.Text);
                foreach (String s in richTextBox1.Lines)
                {
                    sw.WriteLine(s);
                }
                sw.Close();
                flag = 0;
            }
        }
    }
}
```

```

    }

    private void saveAsToolStripMenuItem_Click(object sender, EventArgs e)
    {
        if (saveFileDialog1.ShowDialog() == DialogResult.OK)
        {
            StreamWriter sw = new StreamWriter(saveFileDialog1.FileName);
            foreach (String s in richTextBox1.Lines)
            {
                sw.WriteLine(s);
            }
            sw.Close();
            this.Text = saveFileDialog1.FileName;
            flag = 0;
        }
    }

    private void openToolStripMenuItem_Click(object sender, EventArgs e)
    {
        openFileDialog1.ShowDialog();
    }

    private void openFileDialog1_FileOk(object sender, CancelEventArgs e)
    {
        StreamReader sr = new StreamReader(openFileDialog1.FileName);
        richTextBox1.Text = sr.ReadToEnd();
        this.Text = openFileDialog1.FileName;
        sr.Close();
    }

    private void newToolStripMenuItem_Click(object sender, EventArgs e)
    {
        if (flag == 1)
        {
            var res = MessageBox.Show("Do you want to save changes", "Save",
            MessageBoxButtons.YesNo);
            if (this.Text == "Untitled")
            {
                if (res == DialogResult.Yes)
                {
                    saveFileDialog1.ShowDialog();
                    StreamWriter sw = new StreamWriter(saveFileDialog1.FileName);
                    foreach (String s in richTextBox1.Lines)
                    {
                        sw.WriteLine(s);

```

```

        }
        sw.Close();
        richTextBox1.Text = null;
        this.Text = "Untitled";

    }
    if (res == DialogResult.No)
    {
        richTextBox1.Text = null;
        this.Text = "Untitled";
    }
    }
}
else
{
    richTextBox1.Text = "";
    this.Text = "Untitled";
}
}

private void printToolStripMenuItem_Click(object sender, EventArgs e)
{
    printDialog1.ShowDialog();
}

private void exitToolStripMenuItem_Click(object sender, EventArgs e)
{
    if (flag == 1)
    {
        if (saveFileDialog1.ShowDialog() == DialogResult.OK)
        {
            StreamWriter sw = new StreamWriter(saveFileDialog1.FileName);
            foreach (String s in richTextBox1.Lines)
            {
                sw.WriteLine(s);
            }
            sw.Close();
            this.Text = saveFileDialog1.FileName;
        }
    }
    this.Close();
}

private void richTextBox1_TextChanged(object sender, EventArgs e)
{
    flag = 1;
}

```

```

private void cutToolStripMenuItem_Click(object sender, EventArgs e)
{
    Clipboard.Clear();
    Clipboard.SetText(richTextBox1.SelectedText);
    richTextBox1.Clear();
}

private void copyToolStripMenuItem_Click(object sender, EventArgs e)
{
    Clipboard.Clear();
    Clipboard.SetText(richTextBox1.SelectedText);
}

private void pasteToolStripMenuItem_Click(object sender, EventArgs e)
{
    richTextBox1.SelectedText = Clipboard.GetText();
}

private void deleteToolStripMenuItem_Click(object sender, EventArgs e)
{
    richTextBox1.SelectedText = "";
}

private void findToolStripMenuItem_Click(object sender, EventArgs e)
{
    find f = new find();
    f.Show();
}

private void selectAllToolStripMenuItem_Click(object sender, EventArgs e)
{
    richTextBox1.SelectAll();
}

private void wordWrapToolStripMenuItem_Click(object sender, EventArgs e)
{
    richTextBox1.WordWrap = true;
}

private void fontsToolStripMenuItem_Click(object sender, EventArgs e)
{
    if (fontDialog1.ShowDialog() == DialogResult.OK)
    {
        richTextBox1.SelectionFont = new Font(fontDialog1.Font.Name,
fontDialog1.Font.Size);
    }
}

```

```
private void dateAndTimeToolStripMenuItem_Click(object sender, EventArgs e)
{
    DateTime now = DateTime.Now;
    var selIndex = richTextBox1.SelectionStart;
    richTextBox1.Text = richTextBox1.Text.Insert(selIndex, now.ToString());
    richTextBox1.SelectionStart = selIndex + now.ToString().Length;
}
}
}
```

#OUTPUT

