The PrintDialog control lets the user to print documents by selecting a printer and choosing which sections of the document to print from a Windows Forms application.

There are various other controls related to printing of documents. Let us have a brief look at these controls and their purpose. These other controls are:

- The **PrintDocument** control - it provides support for actual events and operations of printing in Visual Basic and sets the properties for printing.
- The **PrinterSettings** control - it is used to configure how a document is printed by specifying the printer.
- The **PageSetUpDialog** control - it allows the user to specify page-related print settings including page orientation, paper size and margin size.
- The **PrintPreviewControl** control - it represents the raw preview part of print previewing from a Windows Forms application, without any dialog boxes or buttons.
- The **PrintPreviewDialog** control - it represents a dialog box form that contains a PrintPreviewControl for printing from a Windows Forms application.

Following is the Print dialog box:

![Print dialog box](image)

**Properties of the PrintDialog Control**

The following are some of the commonly used properties of the PrintDialog control:

<table>
<thead>
<tr>
<th>S.N</th>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AllowCurrentPage</td>
<td>Gets or sets a value indicating whether the <strong>Current Page</strong> option button is displayed.</td>
</tr>
</tbody>
</table>
Methods of the PrintDialog Control

The following are some of the commonly used methods of the PrintDialog control:

<table>
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<tr>
<th>S.N</th>
<th>Method Name &amp; Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Reset</td>
</tr>
<tr>
<td></td>
<td>Resets all options to their default values.</td>
</tr>
<tr>
<td>2</td>
<td>RunDialog</td>
</tr>
<tr>
<td></td>
<td>When overridden in a derived class, specifies a common dialog box.</td>
</tr>
<tr>
<td>3</td>
<td>ShowDialog</td>
</tr>
<tr>
<td></td>
<td>Runs a common dialog box with a default owner.</td>
</tr>
</tbody>
</table>

Example

In this example, let us see how to show a Print dialog box in a form. Take the following steps:

- Add a PrintDocument control, a PrintDialog control and a Button control on the form. The PrintDocument and the PrintDialog controls are found on the Print category of the controls toolbox.
- Change the text of the button to 'Print'.
- Double-click the Print button and modify the code of the Click event as shown:

```vbnet
Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
    PrintDialog1.Document = PrintDocument1
    PrintDialog1.PrinterSettings = PrintDocument1.PrinterSettings
    PrintDialog1.AllowSomePages = True
    If PrintDialog1.ShowDialog = DialogResult.OK Then
```
When the application is compiled and run using **Start** button available at the Microsoft Visual Studio tool bar, it will show the following window:

Click the Print button to make the Print dialog box appear.