This article shows how to create a Word document using C# and Office 2013.

**Step 1**: Create a simple Windows application and place a button control in it.

**Step 2:** Double-click the button control and go to the code widow.

**Step 3:** Add a reference for "Microsoft.Office.Interop.Word" as shown in the following image.



**Step 4:** Copy and paste the following code to generate the Word document.

The code is self-explanatory and the required comments are added wherever they are required.

```csharp
    private void button1_Click(object sender, EventArgs e)
    {
       CreateDocument();
    }

   //Create document method
    private void CreateDocument()
    {
       try
       {
          //Create an instance for word app
          Microsoft.Office.Interop.Word.Application winword
```

```csharp
= new Microsoft.Office.Interop.Word.Application();

        //Set animation status for word application
        winword.ShowAnimation = false;

        //Set status for word application is to be visible or not.
        winword.Visible = false;

        //Create a missing variable for missing value
        object missing = System.Reflection.Missing.Value;

        //Create a new document
        Microsoft.Office.Interop.Word.Document document =
winword.Documents.Add(ref missing, ref missing, ref missing, ref missing);

        //Add header into the document
        foreach (Microsoft.Office.Interop.Word.Section section in document.Sections)
        {
            //Get the header range and add the header details.
            Microsoft.Office.Interop.Word.Range headerRange =
section.Headers[Microsoft.Office.Interop.Word.WdHeaderFooterIndex.wdHeaderFooterPrimary].Range;
            headerRange.Fields.Add(headerRange, Microsoft.Office.Interop.Word.WdFieldType.wdFieldPage);
            headerRange.ParagraphFormat.Alignment =
Microsoft.Office.Interop.Word.WdParagraphAlignment.wdAlignParagraphCenter;
            headerRange.Font.ColorIndex = Microsoft.Office.Interop.Word.WdColorIndex.wdBlue;
            headerRange.Font.Size = 10;
            headerRange.Text = "Header text goes here";
        }

        //Add the footers into the document
        foreach (Microsoft.Office.Interop.Word.Section wordSection in document.Sections)
        {
            //Get the footer range and add the footer details.
            Microsoft.Office.Interop.Word.Range footerRange =
wordSection.Footers[Microsoft.Office.Interop.Word.WdHeaderFooterIndex.wdHeaderFooterPrimary].Range;
            footerRange.Font.ColorIndex = Microsoft.Office.Interop.Word.WdColorIndex.wdDarkRed;
            footerRange.Font.Size =10;
            footerRange.ParagraphFormat.Alignment =
Microsoft.Office.Interop.Word.WdParagraphAlignment.wdAlignParagraphCenter;
            footerRange.Text = "Footer text goes here";
        }

        //adding text to document
        document.Content.SetRange(0, 0);
        document.Content.Text = "This is test document "+ Environment.NewLine;

        //Add paragraph with Heading 1 style
        Microsoft.Office.Interop.Word.Paragraph para1 =
document.Content.Paragraphs.Add(ref missing);
```

```csharp
object styleHeading1 = "Heading 1";
para1.Range.set_Style(ref styleHeading1);
para1.Range.Text = "Para 1 text";
para1.Range.InsertParagraphAfter();

//Add paragraph with Heading 2 style
Microsoft.Office.Interop.Word.Paragraph para2 = document.Content.Paragraphs.Add(ref missing);
object styleHeading2 = "Heading 2";
para2.Range.set_Style(ref styleHeading2);
para2.Range.Text = "Para 2 text";
para2.Range.InsertParagraphAfter();

//Create a 5X5 table and insert some dummy record
Table firstTable = document.Tables.Add(para1.Range, 5, 5, ref missing, ref missing);

firstTable.Borders.Enable = 1;
foreach (Row row in firstTable.Rows)
{
    foreach (Cell cell in row.Cells)
    {
        //Header row
        if (cell.RowIndex == 1)
        {
            cell.Range.Text = "Column " + cell.ColumnIndex.ToString();
            cell.Range.Font.Bold = 1;
            //other format properties goes here
            cell.Range.Font.Name = "verdana";
            cell.Range.Font.Size = 10;
            //cell.Range.Font.ColorIndex = WdColorIndex.wdGray25;
            cell.Shading.BackgroundPatternColor = WdColor.wdColorGray25;
            //Center alignment for the Header cells
            cell.VerticalAlignment = WdCellVerticalAlignment.wdCellAlignVerticalCenter;
            cell.Range.ParagraphFormat.Alignment =
WdParagraphAlignment.wdAlignParagraphCenter;

        }
        //Data row
        else
        {
            cell.Range.Text = (cell.RowIndex - 2 + cell.ColumnIndex).ToString();
        }
    }
}

//Save the document
object filename = @"c:\temp1.docx";
document.SaveAs2(ref filename);
document.Close(ref missing, ref missing, ref missing);
document = null;
```
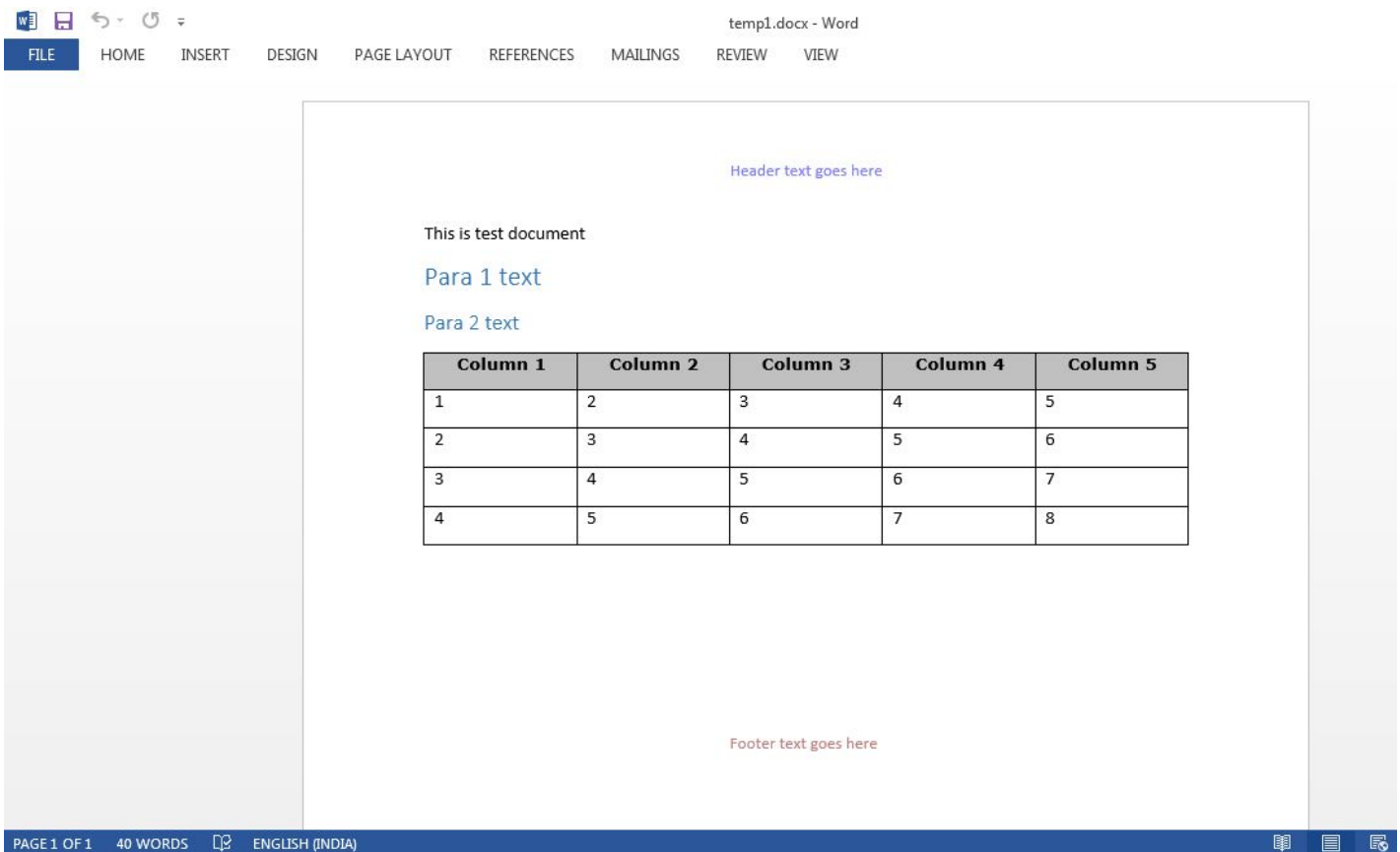
```
            winword.Quit(ref missing, ref missing, ref missing);
            winword = null;
            MessageBox.Show("Document created successfully !");
        }
        catch (Exception ex)
        {
            MessageBox.Show(ex.Message);
        }
    }
}
```

**Step 5:** Once the code is executed successfully, the document output will be:



The source code is attached, please post your feedback in the comments section.

Hope this helps someone.