APACHE POI – HYPERLINK

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This chapter explains how to add hyperlinks to the contents in a cell. Usually hyperlinks are used to access any web URL, email, or an external file.

The following code shows how to create hyperlinks on cells.

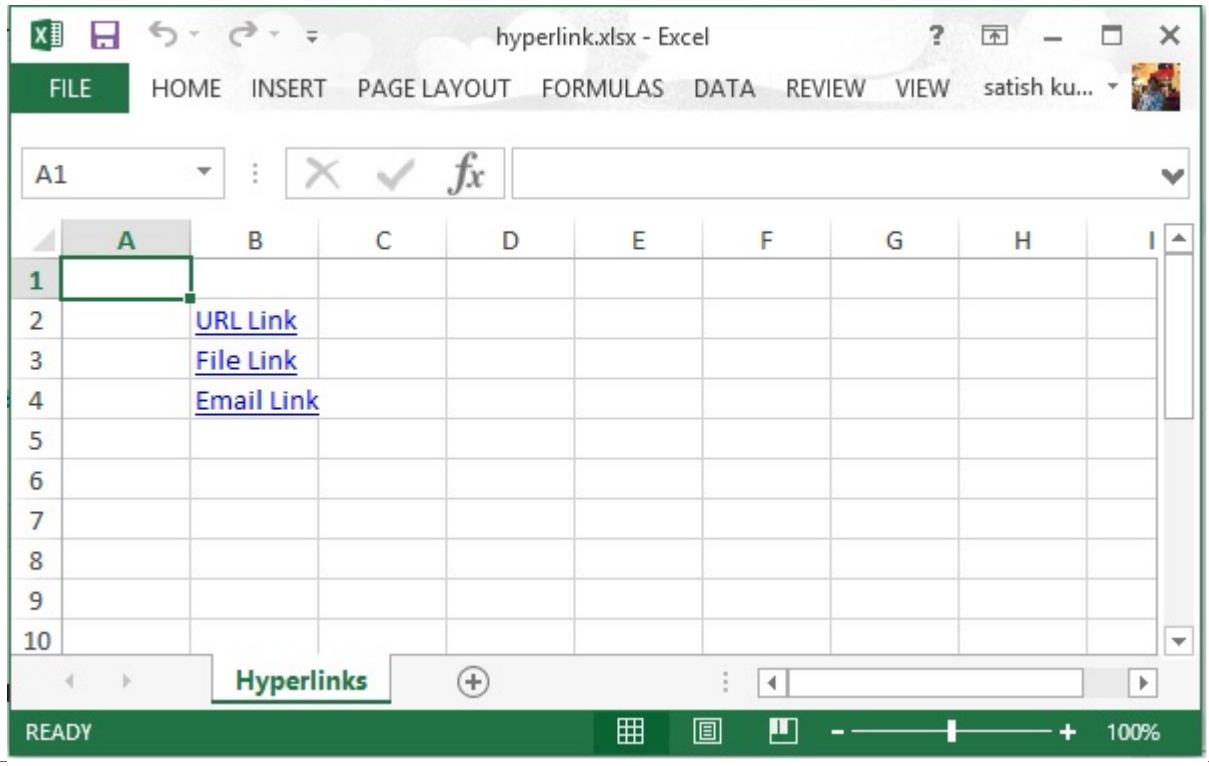
```
import java.io.File;
import java.io.FileOutputStream;
import org.apache.poi.common.usermodel.Hyperlink;
import org.apache.poi.hssf.util.HSSFColor;
import org.apache.poi.ss.usermodel.CreationHelper;
import org.apache.poi.xssf.usermodel.XSSFCell;
import org.apache.poi.xssf.usermodel.XSSFCellStyle;
import org.apache.poi.xssf.usermodel.XSSFFont;
import org.apache.poi.xssf.usermodel.XSSFHyperlink;
import org.apache.poi.xssf.usermodel.XSSFSheet;
import org.apache.poi.xssf.usermodel.XSSFWorkbook;
public class HyperlinkEX
{
   public static void main(String[] args) throws Exception
   {
      XSSFWorkbook workbook = new XSSFWorkbook();
      XSSFSheet spreadsheet = workbook
      .createSheet("Hyperlinks");
      XSSFCell cell;
      CreationHelper createHelper = workbook
      .getCreationHelper();
      XSSFCellStyle hlinkstyle = workbook.createCellStyle();
      XSSFFont hlinkfont = workbook.createFont();
      hlinkfont.setUnderline(XSSFFont.U_SINGLE);
      hlinkfont.setColor(HSSFColor.BLUE.index);
      hlinkstyle.setFont(hlinkfont);
      //URL Link
      cell = spreadsheet.createRow(1)
      .createCell((short) 1);
      cell.setCellValue("URL Link");
      XSSFHyperlink link = (XSSFHyperlink)createHelper
      .createHyperlink(Hyperlink.LINK_URL);
      link.setAddress("http://www.tutorialspoint.com/" );
      cell.setHyperlink((XSSFHyperlink) link);
      cell.setCellStyle(hlinkstyle);
      //Hyperlink to a file in the current directory
      cell = spreadsheet.createRow(2)
      .createCell((short) 1);
      cell.setCellValue("File Link");
      link = (XSSFHyperlink)createHelper
      .createHyperlink(Hyperlink.LINK_FILE);
      link.setAddress("cellstyle.xlsx");
      cell.setHyperlink(link);
      cell.setCellStyle(hlinkstyle);
      //e-mail link
      cell = spreadsheet.createRow(3)
      .createCell((short) 1);
      cell.setCellValue("Email Link");
      link = (XSSFHyperlink)createHelper
      .createHyperlink(Hyperlink.LINK_EMAIL);
      link.setAddress(
      "mailto:contact@tutorialspoint.com?"
      +"subject=Hyperlink");
      cell.setHyperlink(link);
      cell.setCellStyle(hlinkstyle);
      FileOutputStream out = new FileOutputStream(
      new File("hyperlink.xlsx"));
      workbook.write(out);
```

```
        out.close();
        System.out.println("hyperlink.xlsx written successfully");
    }
}
```

Save the above code as **HyperlinkEX.java**. Compile and execute it from the command prompt as follows.

```
$javac HyperlinkEX.java
$java HyperlinkEX
```

It will generate an Excel file named **hyperlink.xlsx** in your current directory and display the following output on the command prompt.

```
hyperlink.xlsx written successfully
```

The **hyperlink.xlsx** file looks as follows.