

APACHE POI PPT - READING SHAPES

http://www.tutorialspoint.com/apache_poi_ppt/apache_poi_ppt_reading_shapes.htm Copyright © tutorialspoint.com

You can get a count of the number of shapes used in a presentation using the method **getShapeName** of the **XSLFShape** class. Given below is the program to read the shapes from a presentation:

```
import java.io.File;
import java.io.FileInputStream;
import java.io.FileOutputStream;
import java.io.IOException;

import org.apache.poi.xslf.usermodel.XMLSlideShow;
import org.apache.poi.xslf.usermodel.XSLFShape;
import org.apache.poi.xslf.usermodel.XSLFSlide;

public class ReadingShapes {

    public static void main(String args[]) throws IOException{

        //creating a slideshow
        File file = new File("shapes.pptx");
        XMLSlideShow ppt = new XMLSlideShow(new FileInputStream(file));

        //get slides
        XSLFSlide[] slide = ppt.getSlides();

        //getting the shapes in the presentation
        System.out.println("Shapes in the presentation:");
        for (int i = 0; i < slide.length; i++){

            XSLFShape[] sh = slide[i].getShapes();
            for (int j = 0; j < sh.length; j++){

                //name of the shape
                System.out.println(sh[j].getShapeName());
            }
        }

        FileOutputStream out = new FileOutputStream(file);
        ppt.write(out);
        out.close();
    }
}
```

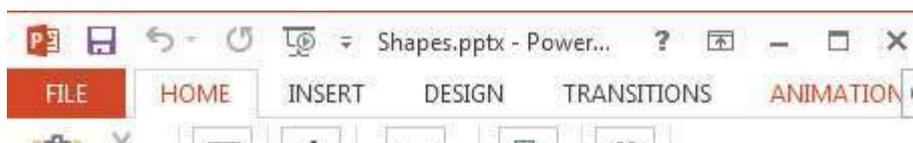
Save the above Java code as **ReadingShapes.java**, and then compile and execute it from the command prompt as follows:

```
$javac ReadingShapes.java
$java ReadingShapes
```

It will compile and execute to generate the following output.

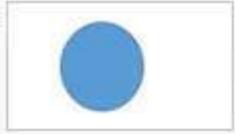
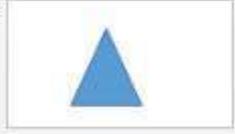
```
Shapes in the presentation:
Rectangle 1
Oval 1
Isosceles Triangle 1
```

The newly added slide with the various shapes appears as follows:



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- 1 
- 2 
- 3 



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