A PDF is created with:

Pdf pdf = new Pdf();

or

Pdf pdf = new Pdf(<Unit>);

where <Unit> is an enum and can be mm, cm, inch or PDf native. Default unit is mm.

For instance, you can specify unit as inch like this:

Pdf pdf = new Pdf(Unit.INCH);

A PDF is written with:

pdf.write(out);

where out is the output stream to write pdf to.

A page is created with:

Page page1 = pdf.createPage(<width>, <height>);

where <width> and <height> are expressed in <unit>.

A text with default font (times-roman) is added with:

page1.addText(<x>, <y>, <font size>, <text>);

A text width can be calculated with:

Font.TIMES_ROMAN.getWidth(FontsVariant.PLAIN, 12, "The text to search width for.");

A text with another font is added with:

page1.addText(20, 700, 12, Font.COURIER.getVariant(FontStyle.BOLD), "The text to display");

Below are texts with different fonts, colors, sizes and underlines:

Times-Roman

Times-Roman Bold

Times-Roman Italic

Times-Roman Bold Italic

Courier

Courier Bold

Courier Italic

Courier Bold Italic

Helvetica

Helvetica Bold

Helvetica Italic

Helvetica Bold Italic

Σψμβολ

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An image is created with:

Image image = pdf.createImage(this.getClass().getResourceAsStream("/test.png"));

An image is sized and positioned with:

image.setX(20);

image.setY(70);

image.setWidth(60);

image.setHeight(30);

An image is added with:

page1.addImage(image);

When an image is used multiple times, no need to re-create its data.
Just save space in PDF and memory by cloning it’s references using:

```
Image image2 = image.cloneReference();
```

Change its size, position, etc and draw it again.

A straight line can be added with:

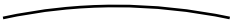
```
page2.addPath(new StraightPath(new Point(20, 640), new Point(15.0f0, 65.0f0)));
```

A line can be added with more points using:

```
StraightPath straightPath = new StraightPath(new Point(20, 5.0f), new Point(20, 5.0f), new Point(15.0f, 5.0f));
straightPath.setClosed(true);
page2.addPath(straightPath);
```

A Bezier line can be added with:

```
page2.addPath(new BezierPath(new Point(20, 440), new BezierPoint(5.0f0, 440, 30, 432, 40, 432))
```



Straight and Bezier lines can be filled/stroked/closed with:

```
BezierPath bezierPath2 = new BezierPath(new Point(20, 400), new BezierPoint(5.0f0, 440, 30, 432, 40, 432));
bezierPath2.setFillColor(new Color(80, 128, 128));
bezierPath2.setFilled(true);
bezierPath2.setStrokeColor(new Color(128, 80, 128));
bezierPath2.setLineWidth(4.0f);
bezierPath2.setClosed(true);
page2.addPath(bezierPath2);
```