

```
<jasperReport name="FirstJasper" pageWidth="595" pageHeight="842"
columnCount="2" columnWidth="270" columnSpacing="15"
leftMargin="20" rightMargin="20" topMargin="30" bottomMargin="30">
```

\$P = Parameter
\$F = Field
\$V = Variable
\$R = Resource Bundle

```
<reportFont name="Arial_Normal" isDefault="true" fontName="Arial" size="8"
pdfFontName="Helvetica" pdfEncoding="Cp1252" isPdfEmbedded="false"/>
<reportFont name="Comic_Big" isDefault="false" fontName="Comic Sans MS" size="22"
pdfFontName="COMIC.TTF" pdfEncoding="Identity-H" isPdfEmbedded="true"/>
```

```
<parameter name="ReportTitle" class="java.lang.String"/>
<parameter name="MaxorderId" class="java.lang.Long"/>
```

```
<queryString><![CDATA[
SELECT * FROM Orders WHERE orderId <= $P{MaxorderId} ORDER BY shipCountry
]]></queryString>
```

OrderId	OrderDate	ShipName	...
10448	1997/02/17	Rancho grande	...
10409	1997/02/09	Océan Atlantico Ltda.	...
...

```
<field name="orderId" class="java.lang.Long"/>
<field name="orderDate" class="java.util.Date"/>
<field name="shipName" class="java.lang.String"/>
<field name="shipCity" class="java.lang.String"/>
<field name="shipCountry" class="java.lang.String"/>
<field name="freight" class="java.lang.Double"/>
```

```
<variable name="FirstLetter" class="java.lang.String" resetType="None">
<variableExpression>$F{shipCountry}.substring(0, 1).toUpperCase()</variableExpression>
</variable>
```

any valid Java expression producing a String,
or any supported scripting language expression.

```
<variable name="FreightSumCountryGroup" class="java.lang.Double" calculation="Sum"
resetType="Group" resetGroup="CountryGroup">
<variableExpression>$F{freight}</variableExpression>
</variable>
```

resets count to 0
when the country changes

Sum
Highest
Count
Average
...

```
<variable name="freightSumReport" class="java.lang.Double" calculation="Sum">
<variableExpression>$F{freight}</variableExpression>
</variable>
```

```
<group name="FirstLetterGroup" isStartNewColumn="true" isReprintHeaderOnEachPage="true"
minHeightToStartNewPage="200">
```

Countries Starting With Letter : A

```
<groupExpression>$V{FirstLetter}</groupExpression>
<groupHeader>
<band height="50">
<staticText>
<reportElement x="0" y="14" width="120" height="11"/>
<textElement>
<font isItalic="true" isUnderline="true"/>
<text>Countries Starting With Letter):</text>
</staticText>
<textField>
<reportElement x="120" y="14" width="150" height="11" />
<textElement>
<font isBold="true"/>
<textFieldExpression class="java.lang.String">$V{FirstLetter}</textFieldExpression>
</textField>
</band>
</groupHeader>
```

print zone in points

differences from
default font

```
<group name="CountryGroup" isReprintHeaderOnEachPage="true">
<groupExpression>$F{shipCountry}</groupExpression>
<groupHeader>
```

```
<band height="15">
<textField>
<reportElement x="10" y="2" width="100" height="11"/>
<textElement>
<font isBold="true"/>
<textFieldExpression class="java.lang.String">$F{shipCountry}</textFieldExpression>
</textField>
<line>
<reportElement x="0" y="14" width="270" height="1"/>
<graphicElement/>
</line>
</band>
</groupHeader>
<groupFooter>
<band height="40">
<rectangle>
<reportElement x="0" y="0" width="270" height="11"
forecolor="#c0c0c0" backcolor="#c0c0c0"/>
<graphicElement/>
</rectangle>
<staticText>
<reportElement x="15" y="0" width="25" height="11" />
<text>Count):</text>
</staticText>
<textField>
<reportElement x="45" y="0" width="25" height="11" />
<textElement textAlignment="Right"/>
<textFieldExpression class="java.lang.Integer">$V{CountryGroup_COUNT}</textFieldExpression>
</textField>
<staticText>
<reportElement x="190" y="0" width="60" height="11" />
<text>Total):</text>
</staticText>
<textField pattern="0.00">
<reportElement x="210" y="0" width="60" height="11"/>
<textElement textAlignment="Right"/>
<textFieldExpression class="java.lang.Double">$V{FreightSumCountryGroup}</textFieldExpression>
</textField>
</band>
</groupFooter>
</group>
```

Defined in the detail section, not in a group

built in variable

line,
ellipse,
rectangle,
etc.

Austria			
10489	Piccolo und mehr, Salzburg	28/03/1997	5.29
10430	Emst Handel, Graz	11/02/1997	458.78
Count	2	Total :	464.07