

# Jasper Reports

**Jasper Reports** is an open source Java template file reporting tool that can write into PDF, HTML, Microsoft Excel, RTF, ODT, comma-separated values (CSV) or XML files.

It can be used in Java-enabled applications, including Java EE or web applications, to generate dynamic or static content. It reads its instructions from an XML or .jasper file.

Jasper Reports is an open-source reporting library that can be embedded into any Java application.

Jasper Reports are defined in an XML file format, called JRXML, JRXML files have the filename extension .jrxml.

A .jasper file is a compiled version of a .jrxml file. iReport does the compilation on the fly, but the compilation can also get achieved at runtime using the JasperCompileManager class.

⇒ TIBCO JasperSoft® Studio is editing software for TIBCO Jasper Reports

⇒ It will help you design and run report templates

Generate Dynamic Report[HTML, CSV, PDF, EXCEL].

Q) Jasper reports Tools?

A)

Tools that can be used to generate .jrxml files

1. Eclipse plugin for JasperSoft Studio.
2. IReport.
3. JasperSoft Studio (mostly used)

Jaspersoft Studio download link:

<https://community.jaspersoft.com/project/jaspersoft-studio/releases>

download:

[TIB\\_js-studiocomm 6.18.1 windows x86 64.exe](#)

⇒ File extension should be .jrxml

⇒ To work with Jasper Studio tool need to add dependency in pom.xml file:

```
<!-- https://mvnrepository.com/artifact/net.sf.jasperreports/jasperreports -->
    <dependency>
        <groupId>net.sf.jasperreports</groupId>
        <artifactId>jasperreports</artifactId>
        <version>6.18.1</version>
    </dependency>
```

---

⇒ **Adding Field name in .jrxml file:**

Entity:

```
private Integer id;
```

**.jrmxl file**

```
<field name="id" class="java.lang.Integer"></field>
```

static header:

```
<staticText>
    <text><![CDATA[ID]]></text>
```

`</staticText>`  
dynamic field:

```
<textField>
<textFieldExpression><![CDATA[$F{id}]]></textFieldExpression>
</textField>
```

Here see \$F indicates field

-----

Parameter in jasper report:

```
parameters.put("title", "Full Stack Developer Sankar");
```

```
<parameter name="title" class="java.lang.String"></parameter>
```

```
<textField>
```

```
    <textFieldExpression><![CDATA[$P{title}]]></textFieldExpression>
</textField>
```

Here see \$P indicates parameter

Variable in Jasper report:

Syntax: `$v{var_name}`

```
<variable name="----" class="----" >
<variableExpression><![CDATA[$V{variName}]]></variableExpression>
</variable>
```

Conditional expression:

```
<conditionalStyle>
<conditionExpression>
<![CDATA[$V{variableName} % 2 == 0]]>
</conditionExpression>
```

Filtering data:

```
<filterExpression>  
<![CDATA[$F{fieldName} < 40000]]>  
</filterExpression>
```

Group data:

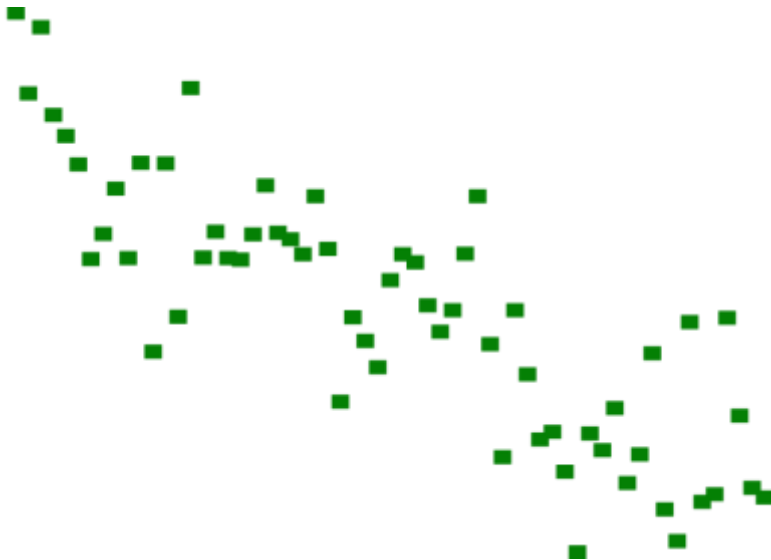
```
<group name="----- ">  
<groupExpression>  
<![CDATA[$F{FieldName }]]>  
</groupExpression>  
<groupHeader>  
</groupHeader>
```

Sorting ascending or descending:

```
<sortField name="---- " order="Descending"/>
```

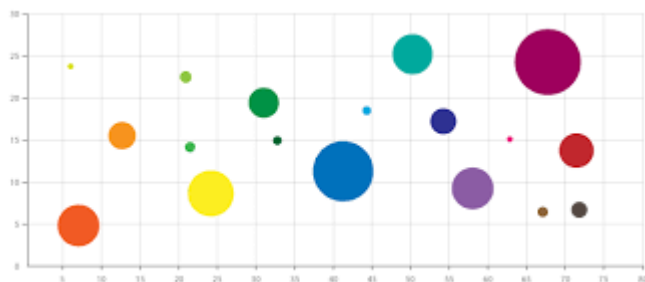
scatter chart:

```
<scatterChart>  
<chart>  
</chart>  
<scatterPlot>  
</scatterPlot>  
</scatterChart>
```



bubble chart:

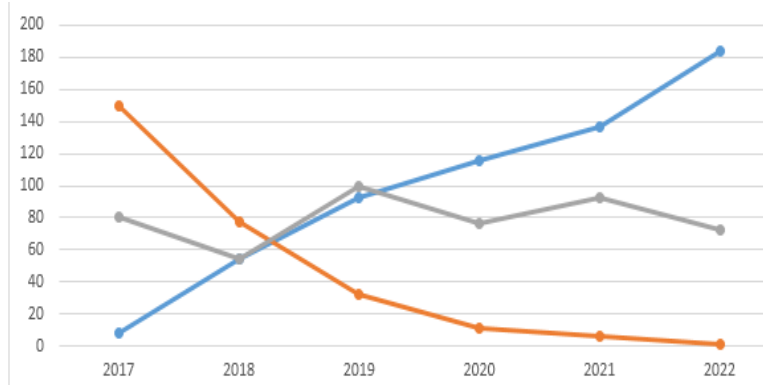
```
<bubbleChart>  
<chart>  
</chart>  
<bubblePlot>  
</bubblePlot>  
</bubbleChart>
```



line chart:

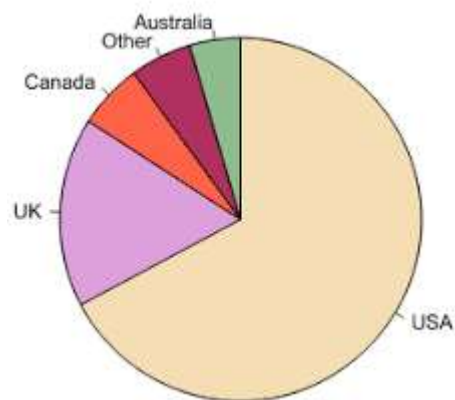
```
<lineChart>  
<chart>  
</chart>
```

```
<linePlot>  
</linePlot>  
</lineChart>
```

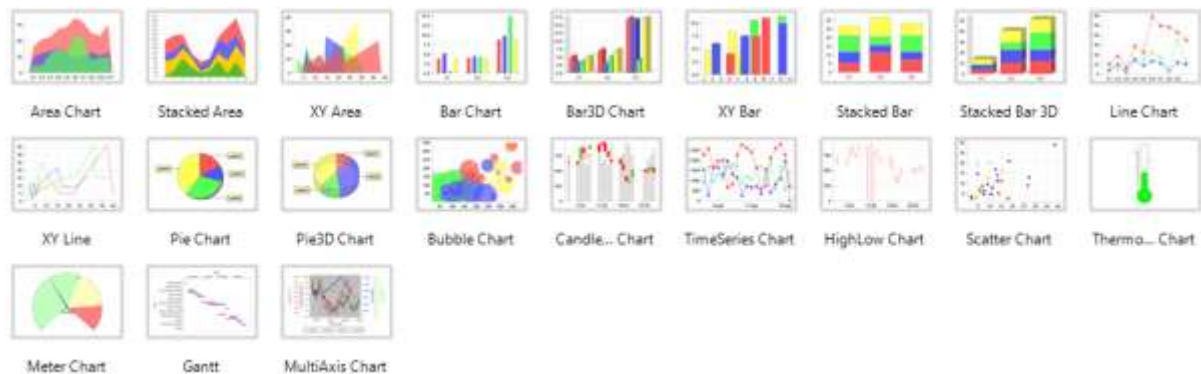


pie chart:

```
<pieChart>  
<chart>  
</chart>  
<piePlot>  
</piePlot>  
</pieChart>
```



## List of charts in Jasper Reports:



## All Tags inside .jrxml file:

```
<jasperReport>
```

```
<parameter name="" class=""/>
```

```
<field name="" class=""/>
```

```
<title>
```

```
<textField>
```

```
<textFieldExpression><![CDATA[$P{parameterName}]]></textFieldExpression>
```

```
</textField>
```

```
<image>
```

```
<imageExpression><![CDATA[".....jpg"]]></imageExpression>
```

```
</image>
```

```
</title>
<columnHeader>
<staticText>
<text><![CDATA[Here static data..]]></text>
</staticText>
</columnHeader>
```

```
<detail>
<textField>
<textFieldExpression><![CDATA[($F{FieldName}
)]]></textFieldExpression>
</textField>
</detail>
```

```
<pageFooter>
<textField>
<textFieldExpression><![CDATA[($F{FieldName}
)]]></textFieldExpression>
</textField>
</pageFooter>
</jasperReport>
```

1. **<jasperReport></jasperReport>**:

This is a root tag of jasper reports.

2. for jasper reports allowed **parameters** **<parameter name=""/> \$P**  
and **fields** **<field name=""/> \$F**



3. sub tags of <jasperReport>

1. <title></title>
2. <columnHeader></columnHeader>
3. <detail></detail>
4. <pageFooter> </pageFooter>

4. here pass static data.

```
<staticText>  
    <text></text>  
</staticText>
```

5. here pass dynamic data.

```
<textField>  
    <textFieldExpression</textFieldExpression>  
</textField>
```

6. here pass image path:

```
<image>  
<imageExpression><![CDATA[".....jpg"]]></imageExpression>  
</image>
```

Import Jasper Reports namespaces:

---

```
<jasperReport  
xmlns="http://jasperreports.sourceforge.net/jasperreports"  
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
```

```
xsi:schemaLocation="http://jasperreports.sourceforge.net/jasperreports
```

[http://jasperreports.sourceforge.net/xsd/jasperreport.xsd">](http://jasperreports.sourceforge.net/xsd/jasperreport.xsd)

`</jasperReports>`

---

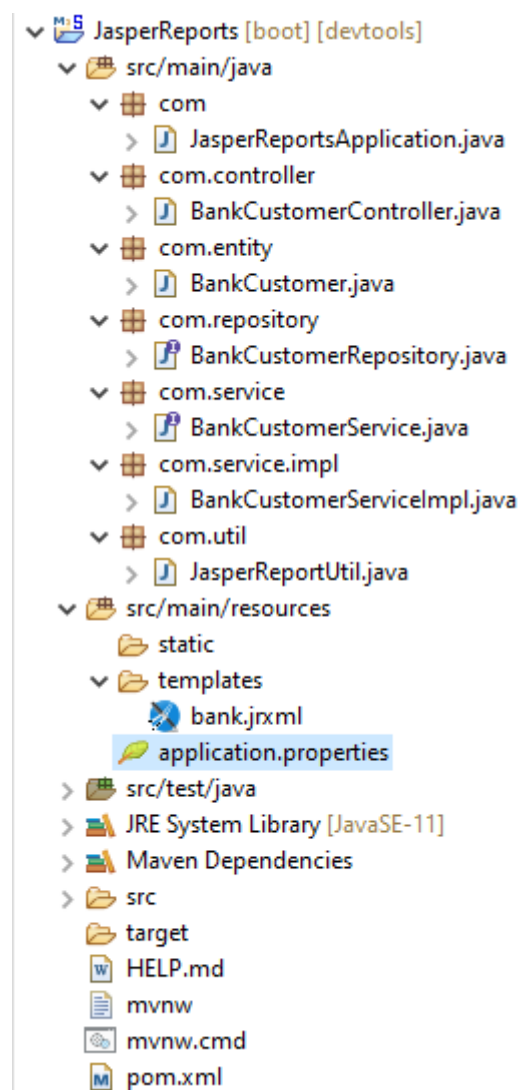
Column text keep in center:

```
<textElement textAlignment="Center">  
    <font size="14"/>  
</textElement>
```

---

## Spring Boot with Jasper Reports Example:

### Step1: Project Structure:



## Step2: application.properties:

### #Server Properties

server.port=9901

### #Database properties

spring.datasource.driver-class-name=com.mysql.cj.jdbc.Driver

spring.datasource.url=jdbc:mysql://localhost:3306/tiny

spring.datasource.username=root

spring.datasource.password=root

### #JPA Properties

spring.jpa.show-sql=true

spring.jpa.hibernate.ddl-auto=update

spring.jpa.database-platform=org.hibernate.dialect.MySQL8Dialect

## Step3: bank.jrxml file:

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- Created with Jaspersoft Studio version 6.17.0.final using JasperReports Library
version 6.17.0-6d93193241dd8cc42629e188b94f9e0bc5722efd -->
<jasperReport xmlns="http://jasperreports.sourceforge.net/jasperreports"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://jasperreports.sourceforge.net/jasperreports
http://jasperreports.sourceforge.net/xsd/jasperreport.xsd" name="bank"
pageWidth="595" pageHeight="842" columnWidth="535" leftMargin="20"
rightMargin="20" topMargin="20" bottomMargin="20" uuid="fa294386-6a41-404e-
80e4-9e734b4ebce0">
    <property name="com.jaspersoft.studio.data.sql.tables" value=""/>
    <property name="com.jaspersoft.studio.data.defaultdataadapter"
value="Sample DB"/>
    <parameter name="title" class="java.lang.String"></parameter>

    <field name="id" class="java.lang.Integer"></field>
    <field name="name" class="java.lang.String"></field>

    <background>
        <band/>
    </background>
    <title>
        <band height="72">
            <frame>
                <reportElement mode="Opaque" x="-20" y="-20"
width="595" height="92" bgcolor="#006699" uuid="b4193c49-fe7a-47c5-85b4-
75e6239fb362"/>
                <textField>
```

```

        <reportElement x="20" y="20" width="434"
height="43" forecolor="#FFFFFF" uuid="06b993dc-a235-4800-9d04-
1866f942230a"/>
        <textElement>
            <font size="24" isBold="true"/>
        </textElement>

        <textFieldExpression><![CDATA[$P{title}]]></textFieldExpression>
        </textField>
        </frame>
    </band>
</title>
<pageHeader>
    <band height="13"/>
</pageHeader>
<columnHeader>
    <band height="21">
        <line>
            <reportElement x="-20" y="20" width="595" height="1"
forecolor="#666666" uuid="95a35440-0a5f-4892-80e3-e2a16ae9ca4b"/>
        </line>
        <staticText>
            <reportElement mode="Opaque" x="0" y="0" width="277"
height="20" forecolor="#006699" backcolor="#E6E6E6" uuid="f685a279-6adb-42ba-
a2f5-9f607e6b0bec">
                <property
name="com.jaspersoft.studio.spreadsheet.connectionID" value="ef0f90a6-2a3a-
42eb-9078-fe7d1f058328"/>
            </reportElement>
            <textElement textAlignment="Center">
                <font size="14" isBold="true"/>
            </textElement>
            <text><![CDATA[ID]]></text>
        </staticText>
        <staticText>
            <reportElement mode="Opaque" x="277" y="0"
width="277" height="20" forecolor="#006699" backcolor="#E6E6E6"
uuid="44f9d371-5f80-42e0-b852-1211227a076c">
                <property
name="com.jaspersoft.studio.spreadsheet.connectionID" value="ba4522c3-b35d-
44f4-aea3-2f8bae5c2c2d"/>
            </reportElement>
            <textElement textAlignment="Center">
                <font size="14" isBold="true"/>
            </textElement>
            <text><![CDATA[NAME]]></text>
        </staticText>
    </band>
</columnHeader>
<detail>

```

```

        <band height="20">
            <line>
                <reportElement positionType="FixRelativeToBottom"
x="0" y="19" width="555" height="1" uuid="4875a046-27f9-42cc-848b-
cd4c68dfc66a"/>
            </line>
            <textField textAdjust="StretchHeight">
                <reportElement x="0" y="0" width="277" height="20"
uuid="d4cde7e2-fdac-450c-8387-735481f99935">
                    <property
name="com.jaspersoft.studio.spreadsheet.connectionID" value="ef0f90a6-2a3a-
42eb-9078-fe7d1f058328"/>
                </reportElement>
                <textElement>
                    <font size="14"/>
                </textElement>

                <textFieldExpression><![CDATA[$F{id}]]></textFieldExpression>
                </textField>
                <textField textAdjust="StretchHeight">
                    <reportElement x="277" y="0" width="277" height="20"
uuid="3a6105d4-ad8b-4240-901a-9d8706e35af4">
                        <property
name="com.jaspersoft.studio.spreadsheet.connectionID" value="ba4522c3-b35d-
44f4-aea3-2f8bae5c2c2d"/>
                    </reportElement>
                    <textElement>
                        <font size="14"/>
                    </textElement>

                    <textFieldExpression><![CDATA[$F{name}]]></textFieldExpression>
                    </textField>
                </band>
            </detail>
            <columnFooter>
                <band/>
            </columnFooter>
            <pageFooter>
                <band height="17">
                    <textField>
                        <reportElement mode="Opaque" x="0" y="4" width="515"
height="13" bgcolor="#E6E6E6" uuid="3ede10f5-2d61-4dc6-87e0-
7bb0e7f2e0f4"/>
                        <textElement textAlignment="Right"/>
                        <textFieldExpression><![CDATA["Page
"+$V{PAGE_NUMBER}+" of"]]></textFieldExpression>
                    </textField>
                    <textField evaluationTime="Report">

```

```
        <reportElement mode="Opaque" x="515" y="4"
width="40" height="13" bgcolor="#E6E6E6" uuid="4f2487d4-4b0a-4b74-afd9-
bc5dc53ce833"/>
        <textFieldExpression><![CDATA[" " +
$V{PAGE_NUMBER}]]></textFieldExpression>
        </textField>
        <textField pattern="EEEEEE dd MMMMM yyyy">
        <reportElement x="0" y="4" width="100" height="13"
uuid="324b86de-dbb0-41ee-a4d3-9f095bc7103c"/>
        <textFieldExpression><![CDATA[new
java.util.Date()]]></textFieldExpression>
        </textField>
    </band>
</pageFooter>
<summary>
    <band/>
</summary>
</jasperReport>
```

#### Step4:Entity class:

```
package com.entity;

import javax.persistence.Column;
import javax.persistence.Entity;
import javax.persistence.GeneratedValue;
import javax.persistence.GenerationType;
import javax.persistence.Id;
import javax.persistence.Table;

import lombok.AllArgsConstructor;
import lombok.Data;
import lombok.NoArgsConstructor;

@Data
@AllArgsConstructor
@NoArgsConstructor
@Entity
@Table(name = "bank_customer_tab")
public class BankCustomer {

    @Id
    @GeneratedValue(strategy = GenerationType.AUTO)
    @Column(name = "bank_customer_id_col")
    private Integer id;

    @Column(name = "bank_customer_name_col")
```

```
        private String name;
    }
}
```

### Step5: Repository:

```
package com.repository;

import org.springframework.data.jpa.repository.JpaRepository;

import com.entity.BankCustomer;

public interface BankCustomerRepository extends
JpaRepository<BankCustomer,Integer> {

}
```

### Step6:Service:

```
package com.service;

import java.util.List;

import com.entity.BankCustomer;

public interface BankCustomerService {

    public BankCustomer saveBankCustomer(BankCustomer bankCustomer);

    public List<BankCustomer> getAllBankCustomer();

}
```

### Step7: ServiceImpl:

```
package com.service.impl;

import java.util.List;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Service;

import com.entity.BankCustomer;
import com.repository.BankCustomerRepository;
import com.service.BankCustomerService;

@Service
public class BankCustomerServiceImpl implements BankCustomerService {

    @Autowired
```

```
private BankCustomerRepository repository;

@Override
public BankCustomer saveBankCustomer(BankCustomer bankCustomer) {
    return repository.save(bankCustomer);
}

@Override
public List<BankCustomer> getAllBankCustomer() {
    return repository.findAll();
}
}
```

### Step8:RestController:

```
package com.controller;

import java.io.FileNotFoundException;
import java.util.List;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.web.bind.annotation.GetMapping;
import org.springframework.web.bind.annotation.PathVariable;
import org.springframework.web.bind.annotation.PostMapping;
import org.springframework.web.bind.annotation.RequestBody;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.RestController;

import com.entity.BankCustomer;
import com.service.BankCustomerService;
import com.util.JasperReportUtil;

import net.sf.jasperreports.engine.JRException;

@RestController
@RequestMapping("/bankCustomer")
public class BankCustomerController {

    @Autowired
    private BankCustomerService service;

    @Autowired
    private JasperReportUtil util;

    /**
     *
     * http://localhost:9901/bankCustomer/save
     *
     * request data:
     */
}
```



```

        {
            "name" : "Sankar"
        }
    * @param bankCustomer
    * @return
    */
    @PostMapping("/save")
    public BankCustomer saveBankCustomer(@RequestBody BankCustomer
bankCustomer) {

        return service.saveBankCustomer(bankCustomer);
    }

    //      //http://localhost:9901/bankCustomer/show
    @GetMapping("/show")
    public List<BankCustomer> getAllBankCustomer() {

        return service.getAllBankCustomer();
    }

    @GetMapping("/report/{format}")
    public String generateReport(@PathVariable String format) throws
FileNotFoundException, JRException {
        return util.exportReport(format);
    }
}

```

### Step9:ReportUtil:

```

package com.util;

import java.io.FileInputStream;
import java.io.FileNotFoundException;
import java.util.HashMap;
import java.util.List;
import java.util.Map;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Component;

import com.entity.BankCustomer;
import com.service.BankCustomerService;

import net.sf.jasperreports.engine.JRException;
import net.sf.jasperreports.engine.JasperCompileManager;
import net.sf.jasperreports.engine.JasperExportManager;
import net.sf.jasperreports.engine.JasperFillManager;

```

```

import net.sf.jasperreports.engine.JasperPrint;
import net.sf.jasperreports.engine.JasperReport;
import net.sf.jasperreports.engine.data.JRBeanCollectionDataSource;

@Component
public class JasperReportUtil {

    @Autowired
    private BankCustomerService service;

    public String exportReport(String reportFormat) throws
FileNotFoundException, JRException {

        List<BankCustomer> bank=service.getAllBankCustomer();
        /*
        * //Load file and compile it File
        * file=ResourceUtils.getFile("Specialization.jrxml");
        */

        //compile file
        JasperReport
jasperReport=JasperCompileManager.compileReport(new
FileInputStream("src/main/resources/templates/bank.jrxml"));

        JRBeanCollectionDataSource datasource=new
JRBeanCollectionDataSource(bank);

        Map<String,Object> parameters=new HashMap<>();
        parameters.put("title","Full Stack Developer Sankar");

        JasperPrint
jasperPrint=JasperFillManager.fillReport(jasperReport,parameters, datasource);

        if(reportFormat.equalsIgnoreCase("html")) {

            JasperExportManager.exportReportToHtmlFile(jasperPrint,"C:\\Users\\Sankar
Karra\\Desktop\\Project1"+"//bank.html");
        }
        if(reportFormat.equalsIgnoreCase("pdf")) {

            JasperExportManager.exportReportToPdfFile(jasperPrint,"C:\\Users\\Sa
nkar Karra\\Desktop\\Project1"+"//bank.pdf");
        }
        return " Report success fully generated.....";
    }

}

```

**Step10:Starter class:**

```
package com;
```

```
import org.springframework.boot.SpringApplication;  
import org.springframework.boot.autoconfigure.SpringBootApplication;
```

```
@SpringBootApplication
```

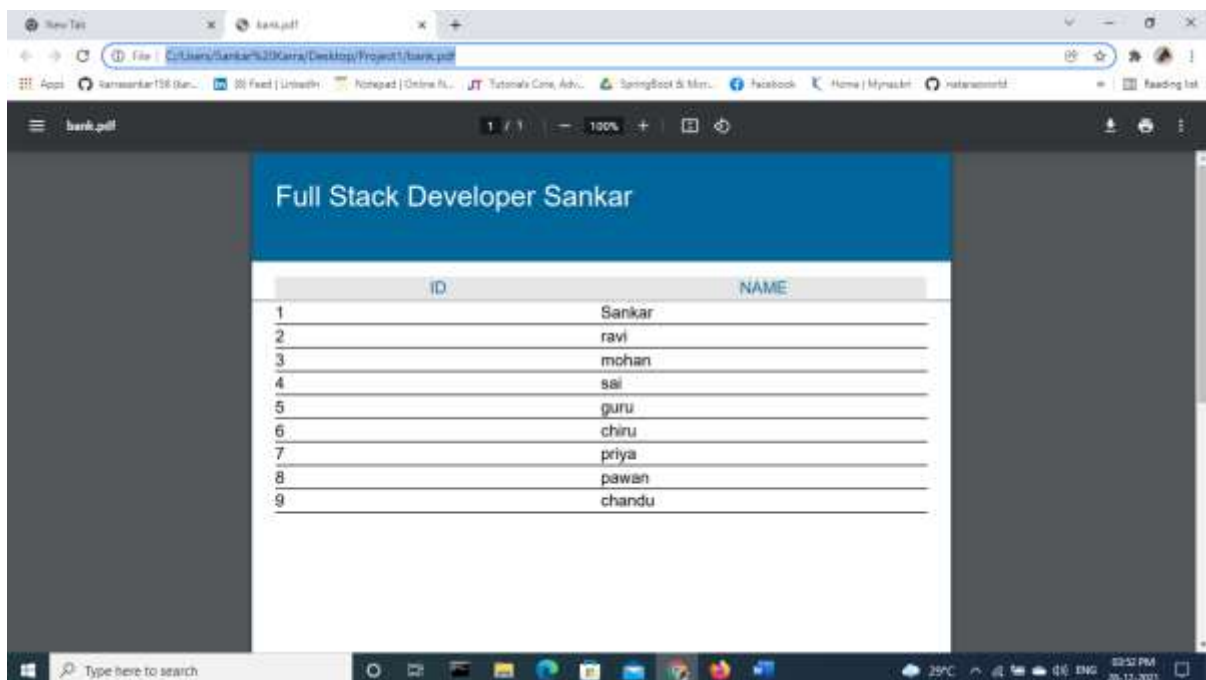
```
public class JasperReportsApplication {
```

```
    public static void main(String[] args) {  
        SpringApplication.run(JasperReportsApplication.class, args);  
    }
```

```
}
```

---

Example pdf format picture:



## Download Report: inline

```
package com.util;
```

```
import java.io.FileInputStream;  
import java.io.FileNotFoundException;  
import java.util.HashMap;  
import java.util.List;  
import java.util.Map;
```

```
import org.springframework.beans.factory.annotation.Autowired;
```

```

import org.springframework.http.HttpHeaders;
import org.springframework.http.MediaType;
import org.springframework.http.ResponseEntity;
import org.springframework.stereotype.Component;

import com.entity.BankCustomer;
import com.service.BankCustomerService;

import net.sf.jasperreports.engine.JRException;
import net.sf.jasperreports.engine.JasperCompileManager;
import net.sf.jasperreports.engine.JasperExportManager;
import net.sf.jasperreports.engine.JasperFillManager;
import net.sf.jasperreports.engine.JasperPrint;
import net.sf.jasperreports.engine.JasperReport;
import net.sf.jasperreports.engine.data.JRBeanCollectionDataSource;

@Component
public class JasperReportUtil {

    @Autowired
    private BankCustomerService service;

    //public String exportReport(String reportFormat) throws FileNotFoundException, JRException
    {

        public ResponseEntity<byte[]> exportReport(String reportFormat) throws
        FileNotFoundException, JRException {

            byte[] data=null;
            HttpHeaders headers=null;

            //set title
            Map<String,Object> parameters=new HashMap<>();
            parameters.put("title","Full Stack Developer");

            //retrieve list of all BankCustomer data
            List<BankCustomer> bank=service.getAllBankCustomer();
            /*
            * //Load file and compile it
            * file=ResourceUtils.getFile("Specialization.jrxml");
            */

            //get list of all BankCustomer data as a constructor parameter.
            JRBeanCollectionDataSource listOfBankCustomers=new
            JRBeanCollectionDataSource(bank);

            //locating and compiling jasper .jrxml file
            JasperReport compiledJasperReport=JasperCompileManager.compileReport(new
            FileInputStream("src/main/resources/templates/bank.jrxml"));

            //supplied list of BankCustomer objects
            JasperPrint
            jasperPrint=JasperFillManager.fillReport(compiledJasperReport,parameters, listOfBankCustomers);

            //checking which type of report is generating...
            if(reportFormat.equalsIgnoreCase("html")) {

                //local report generation as a HTML
            }
        }
    }
}

```

```

        JasperExportManager.exportReportToHtmlFile(jasperPrint,"C:\\Users\\Sankar
Karra\\Desktop\\Project1"+"//bank.html");
    }
    if(reportFormat.equalsIgnoreCase("pdf")) {

        //local report generation as a PDF

        //JasperExportManager.exportReportToPdfFile(jasperPrint,"C:\\Users\\Sankar
Karra\\Desktop\\Project1"+"//bank.pdf");

        data=JasperExportManager.exportReportToPdf(jasperPrint);

        //CONTENT-DISPOSITION is displaying PDF report in browser
        headers=new HttpHeaders();

headers.set(HttpHeaders.CONTENT_DISPOSITION,"inline;filename=BankCustomer.pdf");
    }
    return
    ResponseEntity.ok().headers(headers).contentType(MediaType.APPLICATION_PDF).body(data);
}

}

```

## Download Report: attachment

```

package com.util;

import java.io.FileInputStream;
import java.io.FileNotFoundException;
import java.util.HashMap;
import java.util.List;
import java.util.Map;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.http.HttpHeaders;
import org.springframework.http.MediaType;
import org.springframework.http.ResponseEntity;
import org.springframework.stereotype.Component;

import com.entity.BankCustomer;
import com.service.BankCustomerService;

import net.sf.jasperreports.engine.JRException;
import net.sf.jasperreports.engine.JasperCompileManager;
import net.sf.jasperreports.engine.JasperExportManager;
import net.sf.jasperreports.engine.JasperFillManager;
import net.sf.jasperreports.engine.JasperPrint;
import net.sf.jasperreports.engine.JasperReport;
import net.sf.jasperreports.engine.data.JRBeanCollectionDataSource;

@Component
public class JasperReportUtil {

```

```
@Autowired
private BankCustomerService service;

//public String exportReport(String reportFormat) throws FileNotFoundException,
JRException {

    public ResponseEntity<byte[]> exportReport(String reportFormat) throws
FileNotFoundException, JRException {

        byte[] data=null;
        HttpHeaders headers=null;

        //set title
        Map<String,Object> parameters=new HashMap<>();
        parameters.put("title","Full Stack Developer");

        //retrieve list of all BankCustomer data
        List<BankCustomer> bank=service.getAllBankCustomer();
        /*
        * //Load file and compile it
        * file=ResourceUtils.getFile("Specialization.jrxml");
        */

        //get list of all BankCustomer data as a constructor parameter.
        JRBeanCollectionDataSource listOfBankCustomers=new
JRBeanCollectionDataSource(bank);

        //locating and compiling jasper .jrxml file
        JasperReport
compiledJasperReport=JasperCompileManager.compileReport(new
FileInputStream("src/main/resources/templates/bank.jrxml"));

        //supplied list of BankCustomer objects
        JasperPrint
jasperPrint=JasperFillManager.fillReport(compiledJasperReport,parameters,
listOfBankCustomers);

        //checking which type of report is generating...
        if(reportFormat.equalsIgnoreCase("html")) {

            //local report generation as a HTML

            JasperExportManager.exportReportToHtmlFile(jasperPrint,"C:\\Users\\Sankar
Karra\\Desktop\\Project1"+"//bank.html");

        }
        if(reportFormat.equalsIgnoreCase("pdf")) {

            //local report generation as a PDF

            //JasperExportManager.exportReportToPdfFile(jasperPrint,"C:\\Users\\Sankar
Karra\\Desktop\\Project1"+"//bank.pdf");

            data=JasperExportManager.exportReportToPdf(jasperPrint);
```

```
//CONTENT-DISPOSITION is displaying PDF report in browser
headers=new HttpHeaders();

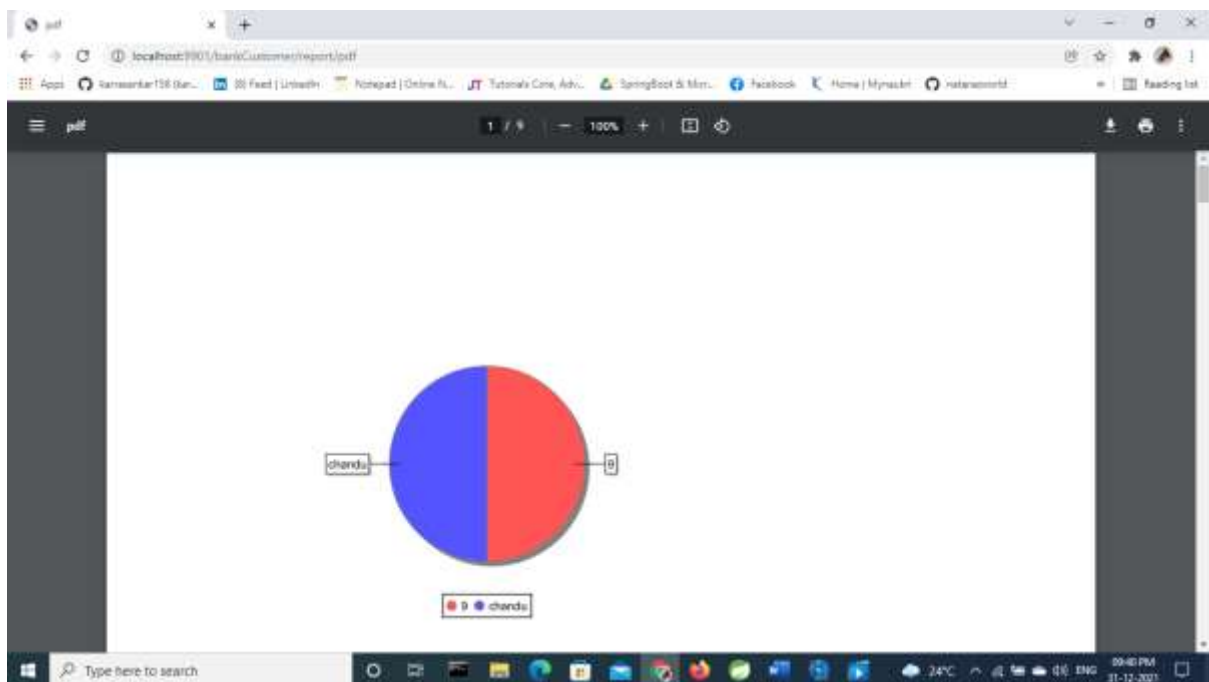
//headers.set(HttpHeaders.CONTENT_DISPOSITION,"inline;filename=BankCustomer.pdf");

headers.set(HttpHeaders.CONTENT_DISPOSITION,"attachment;filename=BankCustomer.pdf");
    }
    return
    ResponseEntity.ok().headers(headers).contentType(MediaType.APPLICATION_PDF).body(
data);
    }

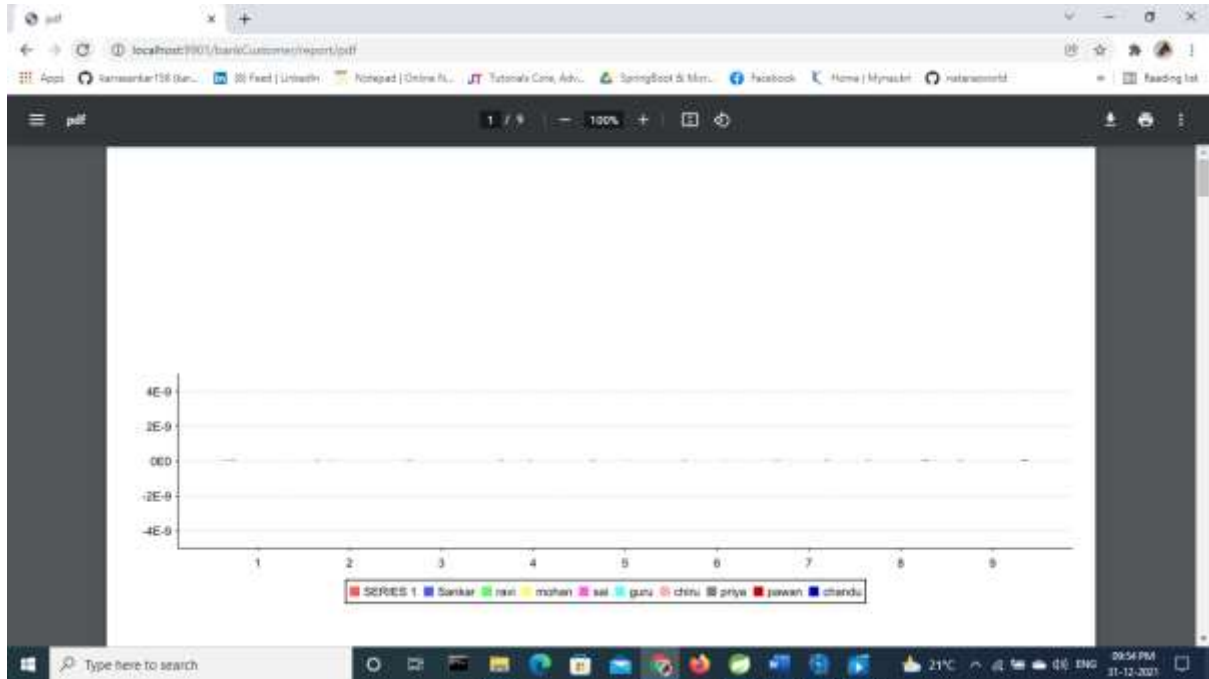
}
```

---

### Pie Chart



Pie Chart .jrxml::



```
<?xml version="1.0" encoding="UTF-8"?>
<!-- Created with Jaspersoft Studio version 6.17.0.final using
JasperReports Library version 6.17.0-
6d93193241dd8cc42629e188b94f9e0bc5722efd -->
<jasperReport xmlns="http://jasperreports.sourceforge.net/jasperreports"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://jasperreports.sourceforge.net/jasperreports
http://jasperreports.sourceforge.net/xsd/jasperreport.xsd"
name="Bank12" pageWidth="842" pageHeight="595"
orientation="Landscape" columnWidth="802" leftMargin="20"
rightMargin="20" topMargin="20" bottomMargin="20" uuid="b8094fea-
5bc3-4b2c-b1f8-7bf2fbcc2eca">
  <property name="com.jaspersoft.studio.data.defaultdataadapter"
value="One Empty Record"/>
  <queryString>
    <![CDATA[]]>
  </queryString>
  <field name="id" class="java.lang.Integer"/>
  <field name="name" class="java.lang.String"/>
  <background>
    <band splitType="Stretch"/>
  </background>
  <title>
    <band height="79" splitType="Stretch"/>
  </title>
</columnHeader>
```



```

        <band height="61" splitType="Stretch"/>
    </columnHeader>
    <detail>
        <band height="236" splitType="Stretch">
            <pieChart>
                <chart evaluationTime="Report">
                    <reportElement x="40" y="0" width="528"
height="236" uuid="d5a7403b-a21d-4c0d-8506-d5e6bc67c9f5"/>
                    <chartTitle/>
                    <chartSubtitle/>
                    <chartLegend/>
                </chart>
                <pieDataset maxCount="5"
minPercentage="5.0">
                    <dataset resetType="Report"
incrementType="Report"/>
                    <pieSeries>

                        <keyExpression><![CDATA[$F{id}]]></keyExpression>

                        <valueExpression><![CDATA[40]]></valueExpression>
                        </pieSeries>
                        <pieSeries>

                            <keyExpression><![CDATA[$F{name}]]></keyExpression>

                            <valueExpression><![CDATA[40]]></valueExpression>
                            </pieSeries>
                        </pieDataset>
                    <piePlot>
                        <plot/>
                        <itemLabel/>
                    </piePlot>
                </pieChart>
            </band>
        </detail>
        <pageFooter>
            <band height="54" splitType="Stretch"/>
        </pageFooter>
    </jasperReport>

```

```

<?xml version="1.0" encoding="UTF-8"?>
<!-- Created with Jaspersoft Studio version 6.17.0.final using
JasperReports Library version 6.17.0-
6d93193241dd8cc42629e188b94f9e0bc5722efd -->
<jasperReport xmlns="http://jasperreports.sourceforge.net/jasperreports"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://jasperreports.sourceforge.net/jasperreports
http://jasperreports.sourceforge.net/xsd/jasperreport.xsd"
name="Blank15" pageWidth="842" pageHeight="595"
orientation="Landscape" columnWidth="802" leftMargin="20"
rightMargin="20" topMargin="20" bottomMargin="20" uuid="7b0cedcf-
1714-4b5a-b447-5e4aea5f2f42">
    <property name="com.jaspersoft.studio.data.defaultdataadapter"
value="One Empty Record"/>
    <queryString>
        <![CDATA[]]>
    </queryString>
    <field name="id" class="java.lang.Integer"/>
    <field name="name" class="java.lang.String"/>
    <background>
        <band splitType="Stretch"/>
    </background>
    <title>
        <band height="79" splitType="Stretch"/>
    </title>
    <pageHeader>
        <band height="35" splitType="Stretch"/>
    </pageHeader>
    <detail>
        <band height="255" splitType="Stretch">
            <barChart>
                <chart evaluationTime="Report">
                    <reportElement x="0" y="55" width="810"
height="200" uuid="cc208e36-c760-4ff6-8218-2b8ef4a5cd2d"/>
                    <chartTitle/>
                    <chartSubtitle/>
                    <chartLegend/>
                </chart>
                <categoryDataset>
                    <dataset resetType="Report"/>
                    <categorySeries>

```

```

<seriesExpression><![CDATA["SERIES 1"]]></seriesExpression>

<categoryExpression><![CDATA[$F{id}]]></categoryExpression>

<valueExpression><![CDATA[0]]></valueExpression>
    </categorySeries>
    <categorySeries>

<seriesExpression><![CDATA[$F{name}]]></seriesExpression>

<categoryExpression><![CDATA[$F{id}]]></categoryExpression>

<valueExpression><![CDATA[0]]></valueExpression>
    </categorySeries>
</categoryDataset>
<barPlot>
    <plot/>
    <itemLabel/>
    <categoryAxisFormat>
        <axisFormat labelColor="#000000"
tickLabelColor="#000000" axisLineColor="#000000"/>
    </categoryAxisFormat>
    <valueAxisFormat>
        <axisFormat labelColor="#000000"
tickLabelColor="#000000" axisLineColor="#000000"/>
    </valueAxisFormat>
</barPlot>
</barChart>
</band>
</detail>
<pageFooter>
    <band height="54" splitType="Stretch"/>
</pageFooter>
</jasperReport>

```

-----The End-----

