How to create PDF document in Node.js ?

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In this article, we will see how to generate PDF documents in NodeJS.

Prerequisites:

- Basic knowledge of Node.js.
  1. Node.js installed (version 12+).
  2. npm installed (version 6+).

Step 1: Install PDF module. The **PDFkit**– It is an Inbuilt Module for generating the PDF documents in the NodeJS in a very simpler and easy way in which we can make graphics, load images and also provide link of the website.

- For installing it in the project write the following command on the terminal or command prompt.

```
npm install pdfkit
```

Syntax:

```
const PDFDocument = require('pdfkit');
```

- For saving PDF document in root directory.

```
doc.pipe(fs.createWriteStream('PDF Name'));
```

```
npm install express
```
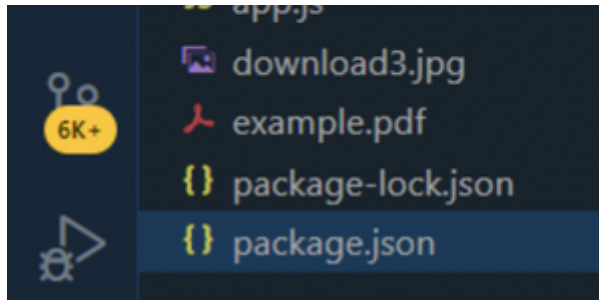
Filename: package.json

Javascript

```json
{
  "name": "node_func",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1",
    "start": "node app.js",
    "dev": "nodemon app.js"
  },
  "author": "",
  "license": "ISC",
  "dependencies": {
    "fs": "^0.0.1-security",
    "pdfkit": "^0.11.0"
  }
}
```

Folder Structure: We can see that the PDF file is created in root directory.

Folder Structure

Example: Here is the JavaScript code that should be written in app.js which is for NodeJS.

Filename: index.js

index.js

```javascript
// Importing modules
import PDFDocument from 'pdfkit'
import fs from 'fs'

// Create a document
const doc = new PDFDocument();

// Saving the pdf file in root directory.
doc.pipe(fs.createWriteStream('example.pdf'));

// Adding functionality
doc

  .fontSize(27)
  .text('This the article for GeeksforGeeks', 100, 100);

// Adding an image in the pdf.

  doc.image('download3.jpg', {
    fit: [300, 300],
    align: 'center',
    valign: 'center'
  });
```

```
      .scale(0.6)
      .translate(470, -380)
      .path('M 250,75 L 323,301 131,161 369,161 177,301 z')
      .fill('red', 'even-odd')
      .restore();

  // Add some text with annotations
  doc
    .addPage()
    .fillColor('blue')
    .text('The link for GeeksforGeeks website', 100, 100)

    .link(100, 100, 160, 27, 'https://www.geeksforgeeks.org/');

  // Finalize PDF file
  doc.end();
```

Output: Created PDF file will look like this.

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