**Web Scraping and PDF Reading in Java**

December 03, 2023

**Task 1**

import org.jsoup.Jsoup;

import org.jsoup.nodes.Document;

import org.jsoup.nodes.Element;

import org.jsoup.select.Elements;

import java.io.IOException;

import java.util.Scanner;

public class QuoteScraper {

 public static void main(String[] args) {

 Scanner scanner = new Scanner(System.in);

 System.out.print("Enter the page number (1-10): ");

 int pageNumber = scanner.nextInt();

 if (pageNumber < 1 || pageNumber > 10) {

 System.out.println("Invalid page number. Please enter a number between 1 and 10.");

 return;

 }

 String url = "https://quotes.toscrape.com/page/" + pageNumber;

 try {

 Document document = Jsoup.connect(url).get();

 Elements quotes = document.select(".quote .text");

 System.out.println("Quotes from Page " + pageNumber + ":");

 for (Element quote : quotes) {

 System.out.println("- " + quote.text());

 }

 } catch (IOException e) {

 e.printStackTrace();

 }

 }

}

**Screenshot task 1:**



**Task 2:**

import org.apache.pdfbox.pdmodel.PDDocument;

import org.apache.pdfbox.text.PDFTextStripper;

import org.apache.pdfbox.Loader;

import java.io.File;

import java.io.FileWriter;

import java.io.IOException;

import java.io.Writer;

public class PDFReader {

 public static void main(String[] args) {

 try {

 String file = "USCensus.pdf";

 PDDocument document = Loader.loadPDF(new File(file));

 PDFTextStripper pdfStripper = new PDFTextStripper();

 String text = pdfStripper.getText(document);

 String myTxt = "\_USCensus.txt";

 Writer writer = new FileWriter(myTxt);

 pdfStripper.writeText(document, writer);

 System.out.println("Text extracted from PDF:\n" + text);

 writer.close();

 document.close();

 } catch (IOException e) {

 e.printStackTrace();

 }

 }

}

**Screenshot task 2:**



**Notes**

### ensure Java is installed, then download jsoup, and pdfbox libraries.

Copy the programs and save them in .java files.

Navigate to the location where the java files have been stored:

## To Run the WebScraping program:

Run on your terminal:

'javac -cp .:jsoup-1.17.1.jar QuoteScraper.java' then

'java -cp .:jsoup-1.17.1.jar QuoteScraper'

# This will run the java file and generate a some quote data

## To Run the PDFReader program:

Run on your terminal:

'javac -cp .:pdfbox-app-3.0.0.jar PDFReader.java'

'java -cp .:pdfbox-app-3.0.0.jar PDFReader'

**References**

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