

Module 10: Computer Vision OpenCV and Visualization Using Bokeh

Assignment

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1. Write a program to fetch hyperlinks from any website entered by the user.
2. Write a program to download all the videos from youtube.com for Django from the hyperlink given below.

<https://www.youtube.com/playlist?list=PLxxA5z-8B2xk4szCgFmgonNcCboyNneMD>

3. Perform Web Scrapping on the following page:

```
<html>
<head>
  <title>
    Page title
  </title>
</head>
<body>
  <p id="firstpara" align="center">
    This is paragraph
    <b>
      one
    </b>
  </p>
  <p id="secondpara" align="blah">
    This is paragraph
    <b>
      two
    </b>
  </p>
</body>
</html>
```

- i) Read the page using BeautifulSoup and show it in a well-formatted, indented manner
- ii) Print the **b** tag from the page
- iii) Print all the tags that start from **b**
- iv) Print text from the tags having **title** and **p** by using lists
- v) Print text from the tags having **title** and **p** by using dictionaries
- vi) Print all the tag names present in the page
- vii) Print the complete tag that has two, and only two, attributes
- viii) Print the tags that have one-character names and no attributes
- ix) Print all the tags which have a value of **center** for **align** attribute
- x) From the XML content
'<person name="Bob"><parent rel="mother" name="Alice">' print the attributes having the **name** as **Alice**

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