Module 8: Computer Vision OpenCV and Visualisation using Bokeh

Case Study

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1. Write a program to fetch hyperlinks from any website which user enters.

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. Create a csv file with name and hyperlink after fetching it from the web page

http://bioguide.congress.gov/biosearch/biosearch.asp

Select any of the option from it as in the below screenshot and click on search

Later download the page source, save it in html file and then perform scraping.

4. from the question above, fetch only the hyperlinks

5. Write Perform the web scraping 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 well formatted indented manner.
ii) Print the b tag from the page
iii) Print all the tags that starts 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 have 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 their "align" attribute
x) From the xml content
'<person name="Bob"><parent rel="mother" name="Alice">'
Print the attributes having "name" as "Alice"