Steps

First I install Solr 7.7.3 as instructed and started it on my existing Linux Mint VM.  
Then I created new core called myexample. I downloaded indexed the files with TIKA following the instructions of indexing files. After that I used python BeautifulSoup to look for links for each file and create the edgelist file in a similar fashion of the Jsoup instructions. I computed Pagerank by NetworkX according to the instructions with the following parameters  
  
alpha=0.85, personalization=None, max\_iter=30, tol=1e-06, nstart=None, weight='weight', dangling=None  
  
I put the pagerank result file to the data folder of the core and modified the configurations as given, then I used the given PHP code and created two versions for Lucene and Pagerank. I modified both of them so it shows the fields of interest in the search result, and then for the Pagerank version, I added additional parameters to sort by pagerank in descending order. Finally I ran the queries using both versions and compare the results of both.

Explanation

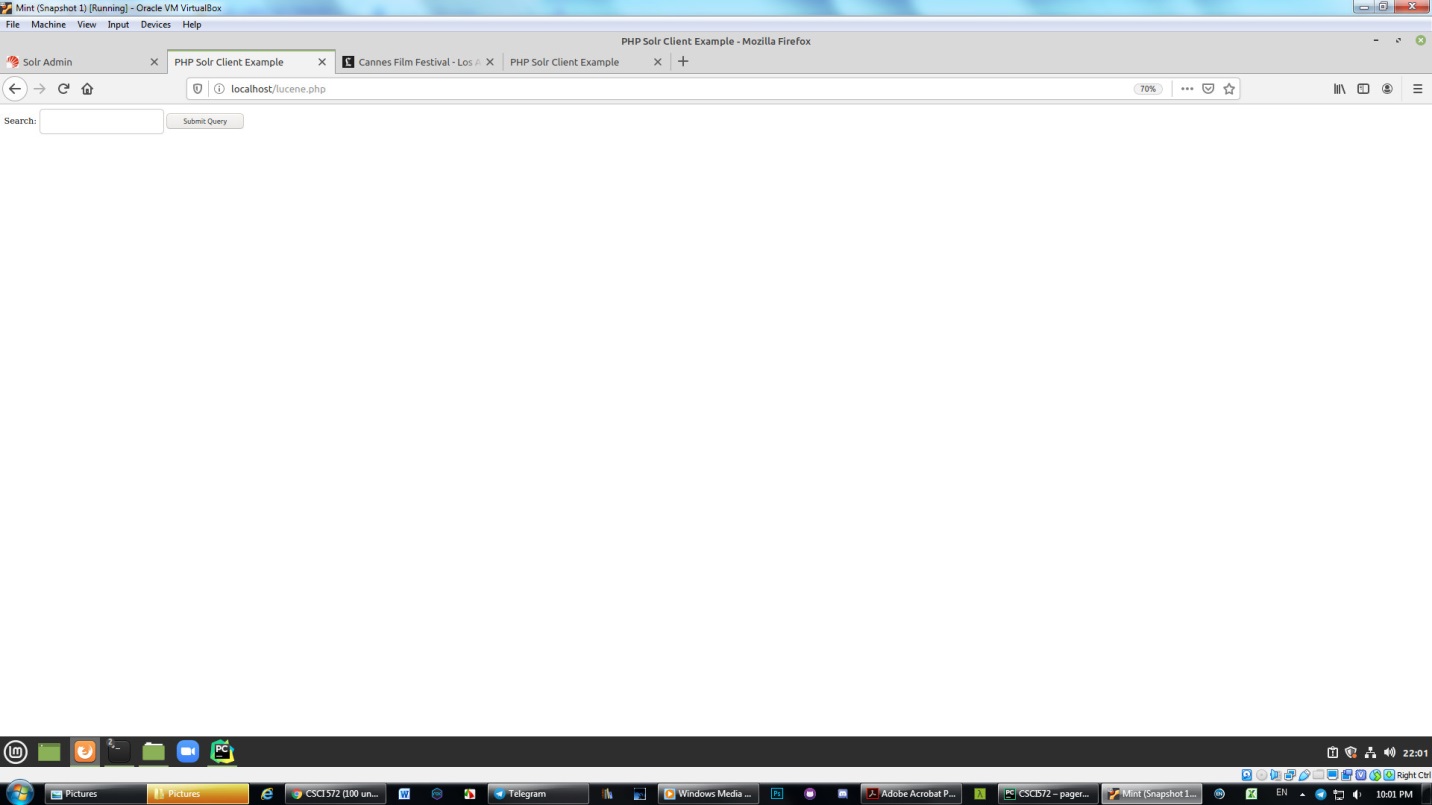
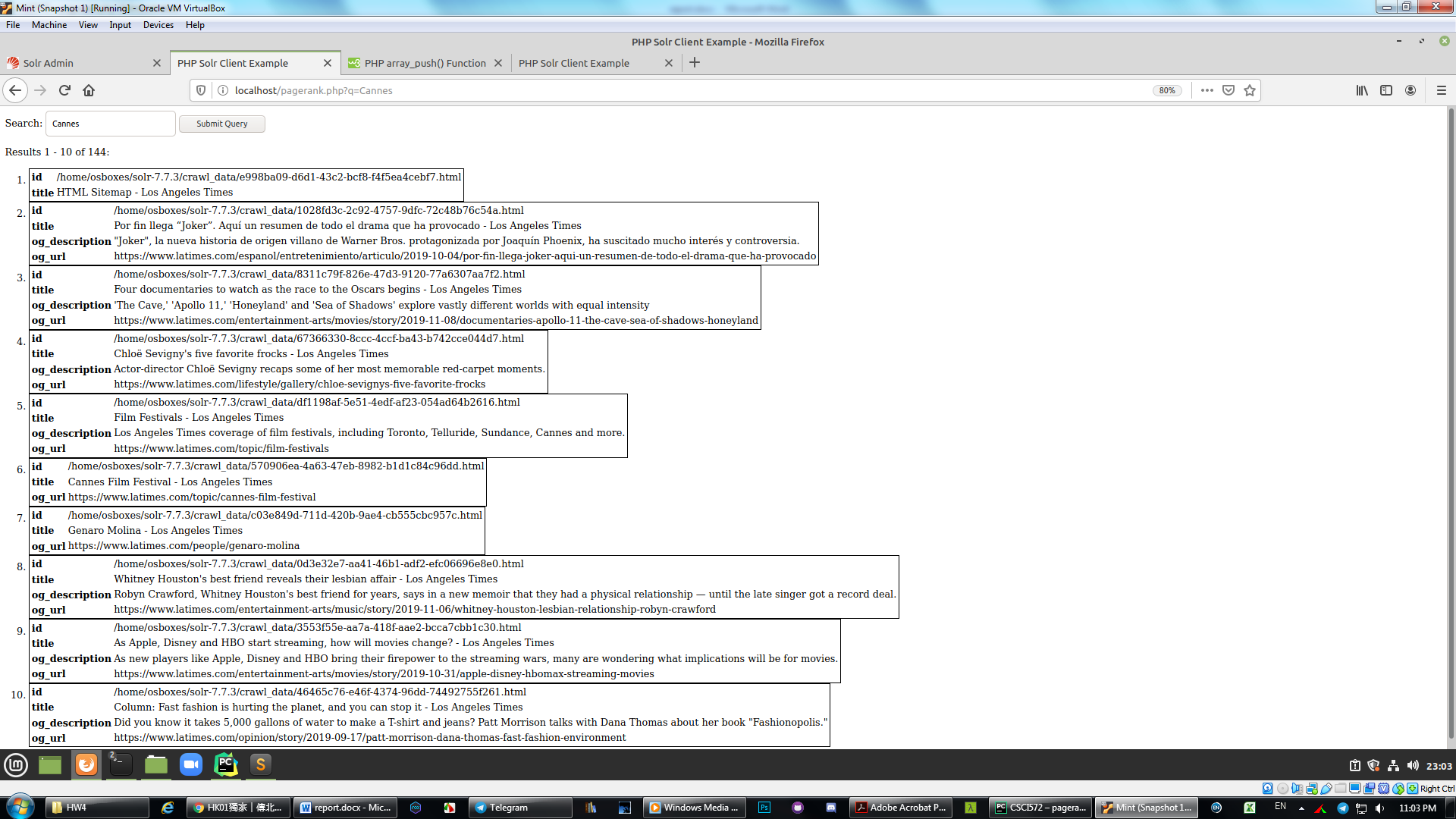
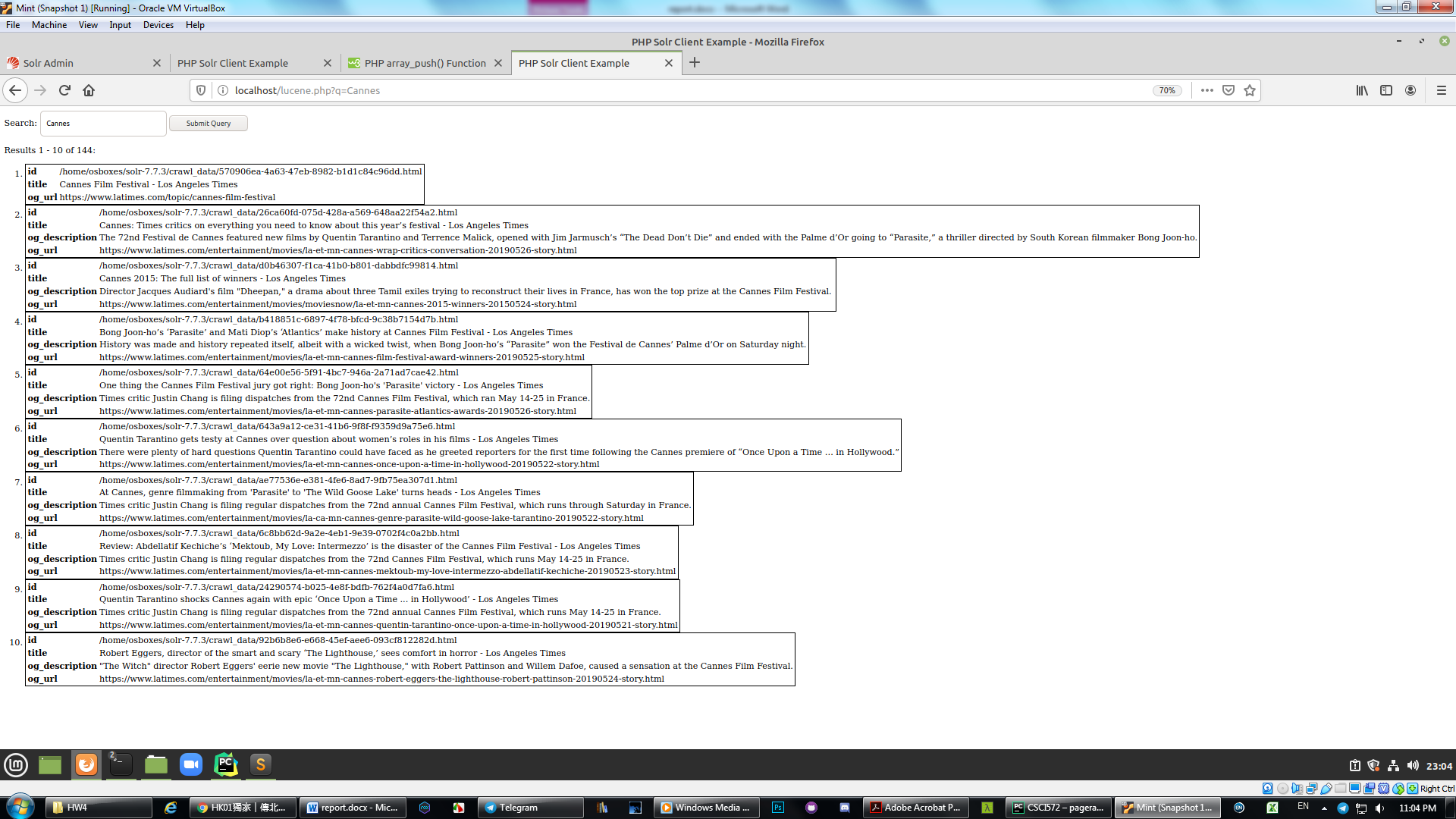
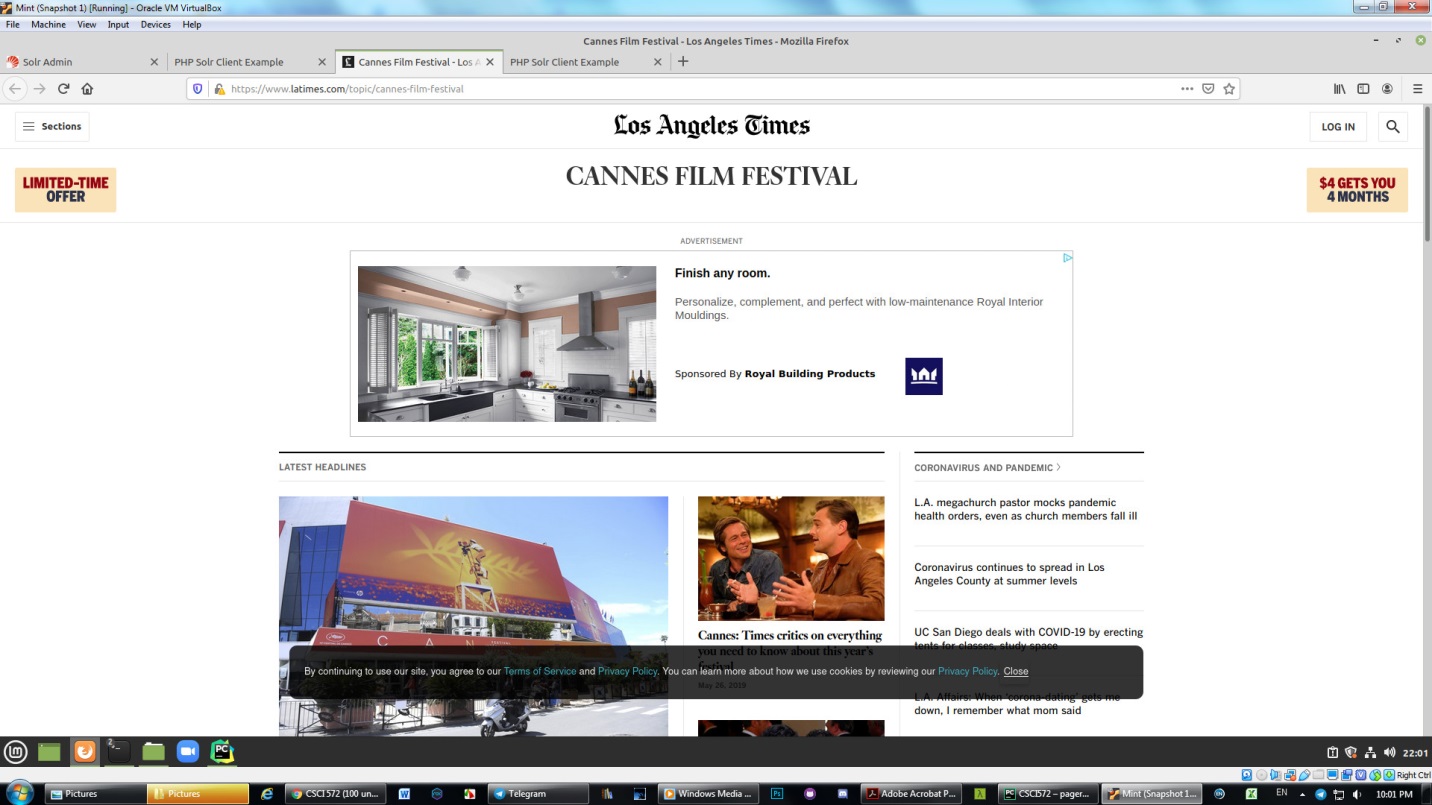
Screenshots   

Table of URLs

|  |  |
| --- | --- |
| Lucene | Pagerank |
| Cannes |  |
| https://www.latimes.com/topic/cannes-film-festival | https://www.latimes.com/sitemap |
| https://www.latimes.com/entertainment/movies/la-et-mn-cannes-wrap-critics-conversation-20190526-story.html | https://www.latimes.com/espanol/entretenimiento/articulo/2019-10-04/por-fin-llega-joker-aqui-un-resumen-de-todo-el-drama-que-ha-provocado |
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Overlap Graph