

CSE 3024 – Web Mining Week 1

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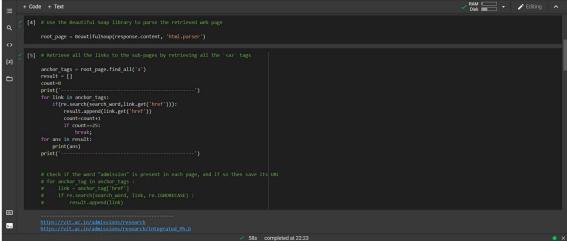
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## **Exercise 1: Simple Web Crawlers**

1. Given a seed/root URL, e.g., "Vit.ac.in", Design a simple crawler to return all pages (URLs) that contains a keyword "research" from this site. (25 pages). Store the crawled urls into a .txt/ .csv/ .xls file for quick retrieval in future. (CT)





## **Output-**

2.Find documents that contain the word "admissions" and the word "international" within the URL "Vit.ac.in" using Python. (25 pages)

```
+ Code + Text

Question 2

(5) search_word="international"

(6) search_word="international"

anchor_tags = root_page.find_all('a')
result = []
result
```

3.Find documents that contain the word "Programme" but not the word "programming" within the URL "Vit.ac.in" using Python. (5 pages)

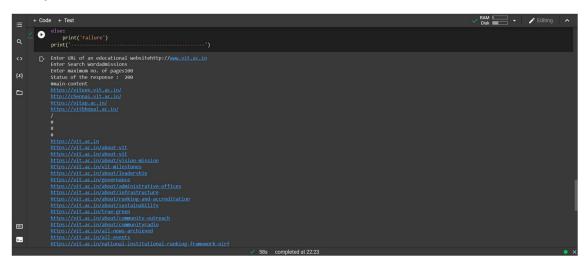
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Question 3

(7) search words - 'programme'
search words - 'p
```

4.Write a web crawler program which takes as input a url (Educational website) and a search key word and maximum number of pages (15-20 Pages) to be searched and returns as output all the web pages it searched till it found the search word on a web page or return failure.

## **Output-**



```
+ Code + Text

| State | International Content | Inter
```