****** and Results**********Load Testing Steps and Results**************

- **Steps for Testing:**
- * Run the Downloader.py

This will download the data URLs in the dataSource folder (url.txt, so far tested with

5 GB of data)

These URLs are picked from url.txt and the file is been downloaded by DownloadManager.py

These downloaded files are fetched, unzipped and extracted in the data folder

- * Run the FusekiParser.py which will fetch the files from the data folder and results in to a parsable file that can be uploaded to the Fuseki server.
- * Run the SPARQL Queries from the Query folder to retrieve the Organization, articles, websites or events related to the Climate change.

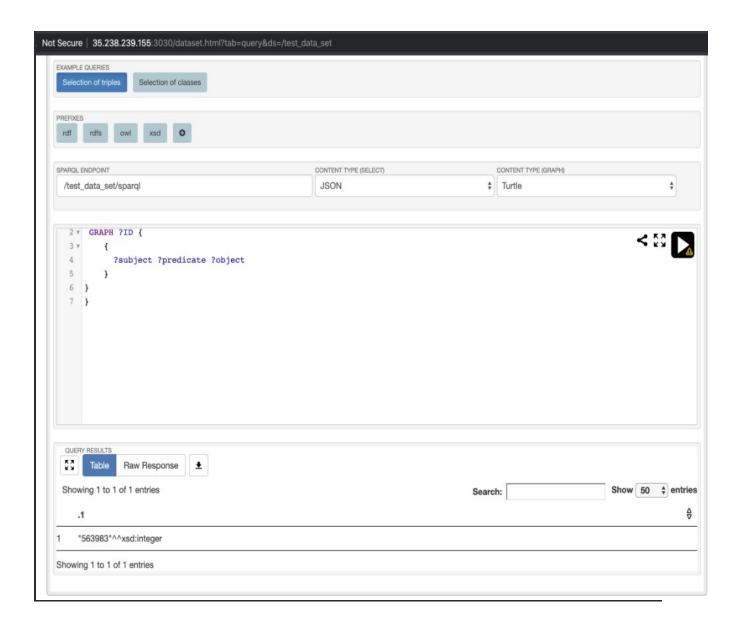
Results:

We were able to parallel-parse the data and we were also able to test the data on Fuseki server which fetched us the Organizations, websites, events and articles about the climate change

Screenshot of the results:

Sample Query which retrieves 563983 number of rows on the Fuseki server that is hosted on the cloud.

Reference: Successful post request with 200 OK.



```
← → C 🐞 ssh.cloud.google.com/projects/smart-tour-plann-1572124059601/zones/us-central1-a/instances/instance-with-weather?authuser=0&hl=en_US&projectNumber=784608895559
                                                                                                                                                                                                                                                       m 0
 inux instance-with-weather 4.9.0-11-amd64 #1 SMP Debian 4.9.189-3+deb9u2 (2019-
11-11) x86 64
The programs included with the Debian GNU/Linux system are free software; the exact distribution terms for each program are described in the individual files in /usr/share/doc/*/copyright.
Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Thu Feb 27 00:58:18 2020 from 74.125.189.165
pambalam@instance-with-weather:~$ ls
 pambalam@instance-with-weather:~$ cd fuseki/
pambalam@instance-with-weather:~/fuseki$ ls
 pache-jena-fuseki-3.13.1
   mbalam@instance-with-weather:-/fuseki$ cd apache-jena-fuseki-3.13.1/
pambalam@instance-with-weather:-/fuseki/apache-jena-fuseki-3.13.1$ ls
bin fuseki fuseki-backup fuseki-server fuseki-server.bat fuseki-server.jar fus
pambalam@instance-with-weather:-/fuseki/apache-jena-fuseki-3.13.1$ java -jar fuseki
                                                                                                               fuseki.service fuseki.war LICENSE NOTICE README run weather webapp
 "useki fuseki-backup fuseki-server fuseki-servers.bat fuseki-server.jar fuseki.service fuseki.war
ambalam@instance-with-weather:-/fuseki/spache-jena-fuseki-3.13.1$ java -jar fuseki
useki fuseki-backup fuseki-server fuseki-server.bat fuseki-server.jar fuseki.service fuseki.war
ambalam@instance-with-weather:-/fuseki/spache-jena-fuseki-3.13.1$ java -jar fuseki-server.jar
                                            INFO Apache Jena Fuseki 3.13.1
INFO FUSEKI_HOME=/home/pambalam/fuseki/apache-jena-fuseki-3.13.1/.
 [2020-02-29 02:45:13] Config
 [2020-02-29 02:45:13] Config
                                              INFO FUSEKI BASE=/home/pambalam/fuseki/apache-jena-fuseki-3.13.1/run
 [2020-02-29 02:45:13] Config
                                              INFO Shiro file: file:///home/pambalam/fuseki/apache-jena-fuseki-3.13.1/run/shiro.ini
[2020-02-29 02:45:13] Config
[2020-02-29 02:45:14] Config
                                             INFO Configuration file: /home/pambalam/fuseki/apache-jena-fuseki-3.13.1/run/config.ttl
INFO Load configuration: file:///home/pambalam/fuseki/apache-jena-fuseki-3.13.1/run/configuration/test_data_set.ttl
   020-02-29 02:45:15] Config
                                              INFO Load configuration: file:///home/pambalam/fuseki/apache-jena-fuseki-3.13.1/run/configuration/weather.tl
 [2020-02-29 02:45:15] Config
                                              INFO Register: /test_data_set
 [2020-02-29 02:45:15] Config
                                              INFO Register: /weather
INFO Started 2020/02/29 02:45:15 UTC on port 3030
 [2020-02-29 02:45:15] Server
[2020-02-29 02:45:42] Admin
[2020-02-29 02:45:45] Admin
                                              INFO [2] GET http://35.238.239.155:3030/$/server
INFO [2] 200 OK (68 ms)
INFO [3] GET http://35.238.239.155:3030/$/stats/test_data_set
  2020-02-29 02:45:45] Admin
[2020-02-29 02:45:45] Admin
[2020-02-29 02:45:45] Admin
                                                      [3] GET stats dataset /test_data_set
[3] 200 OK (3 ms)
   020-02-29 02:45:45] Admin
                                                      [4] GET http://35.238.239.155:3030/$/stats/test_data_set
                                              INFO [4] GET stats dataset /test_data_set
INFO [4] 200 OK (4 ms)
INFO [5] POST http://35.238.239.155:3030/test_data_set/sparq1
 [2020-02-29 02:45:45] Admin
 [2020-02-29 02:45:45] Admin
  2020-02-29 02:48:13] Fuseki
                                              [2020-02-29 02:48:18] Fuseki
```