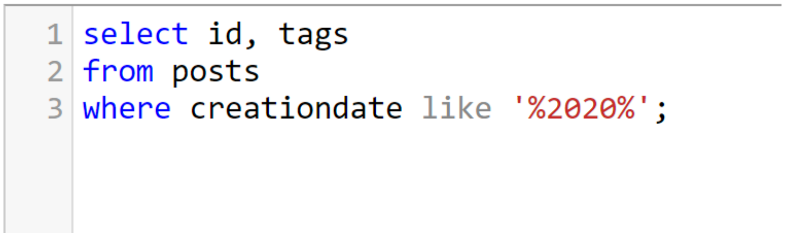
20220626

Jeremy Beard

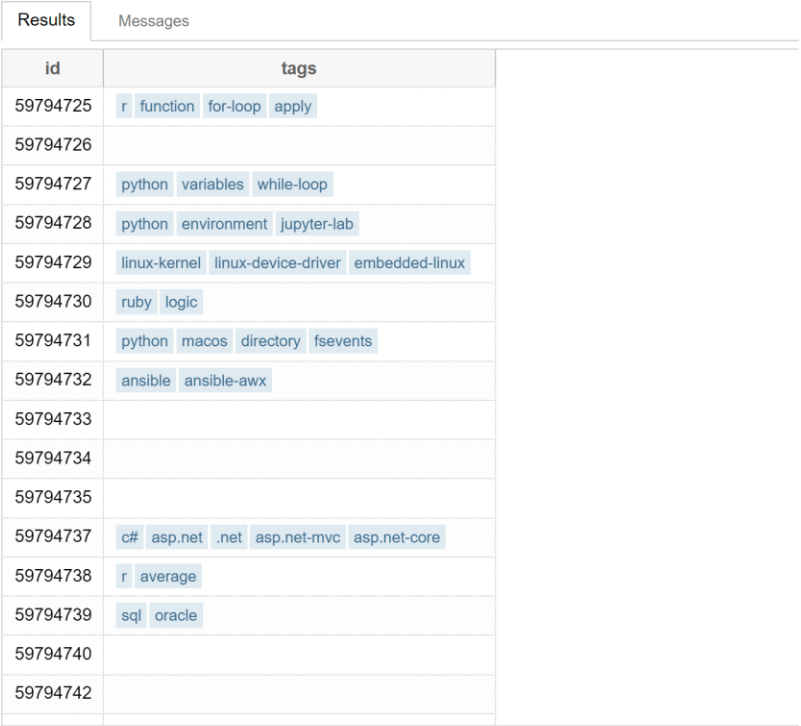
MSDS610 – Final Project

In this document, I am providing the Stack Overflow query information gained from data.stackexchange.com. I decided to keep the data as simple as possible and only get the information which was needed. This information was the post ID and the tags of each post. I also decided to only get data from the year 2020 using wildcards and the 'where' command. Using all this, I queried information which I then saved in csv format.



```
select id, tags
from posts
where creationdate like '%2020%';
```

Figure 1: Query information from data.stackexchange.com



id	tags
59794725	r function for-loop apply
59794726	
59794727	python variables while-loop
59794728	python environment jupyter-lab
59794729	linux-kernel linux-device-driver embedded-linux
59794730	ruby logic
59794731	python macos directory fsevents
59794732	ansible ansible-awx
59794733	
59794734	
59794735	
59794737	c# asp.net .net asp.net-mvc asp.net-core
59794738	r average
59794739	sql oracle
59794740	
59794742	

Figure 2: Example of the output information gained from the Stack Overflow query

For all other information pertaining to this final project of the MSDS 610 course, please refer to the Jupyter Notebook file (and corresponding pdf file) which goes over the code and the methodology behind the code. Please let me know if you have any questions! Thank you!

All the best,

Jeremy

References:

1) How to create a pyspark dataframe from multiple lists. (2018, October 12). Stack Overflow. Retrieved June 26, 2022, from https://stackoverflow.com/questions/52784192/how-to-create-a-pyspark-dataframe-from-multiple-lists

2) How can I get inverted index? (2018, March 1). Stack Overflow. Retrieved June 26, 2022, from https://stackoverflow.com/questions/49059096/how-can-i-get-inverted-index

3) How to export a table dataframe in PySpark to csv? (2015, July 13). Stack Overflow. Retrieved June 26, 2022, from https://stackoverflow.com/questions/31385363/how-to-export-a-table-dataframe-in-pyspark-to-csv