GRIFFITH COLLEGE DUBLIN

BIG DATA MANAGEMENT AND ANALYTICS

BIG DATA MANAGEMENT ASSIGNMENT 2

ARAVINDAN SRINIVASAN(2981707) 28/03/2019

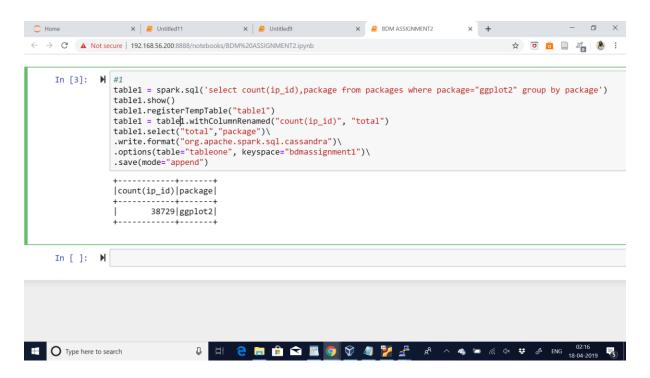
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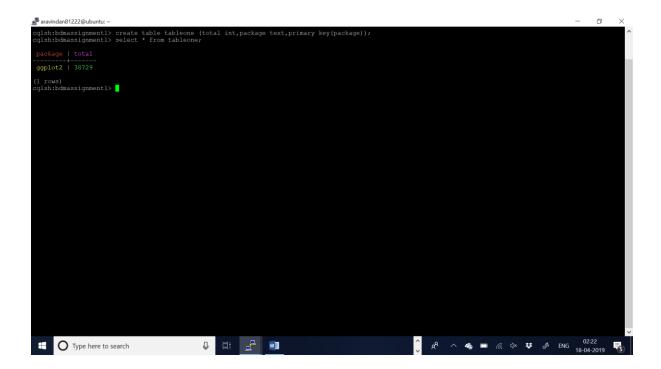
INTRODUCTION:

Our task is to prepare batch layer of lambda architecture. We have to do some basic analytics and display the output as well as transfer the output into Cassandra tables.

#1. Show number of downloads for package ggplot2

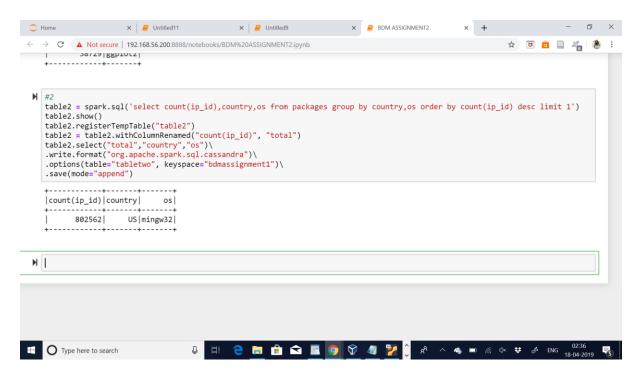
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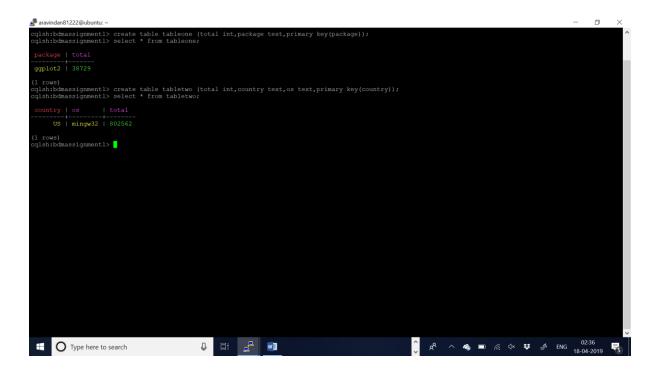




#2. Highest number of downloads by a country and Operating System.

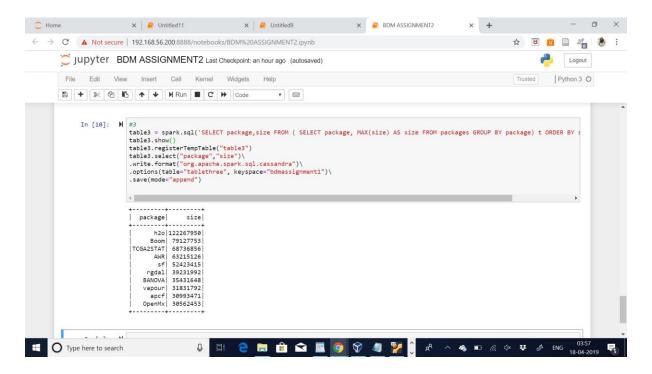
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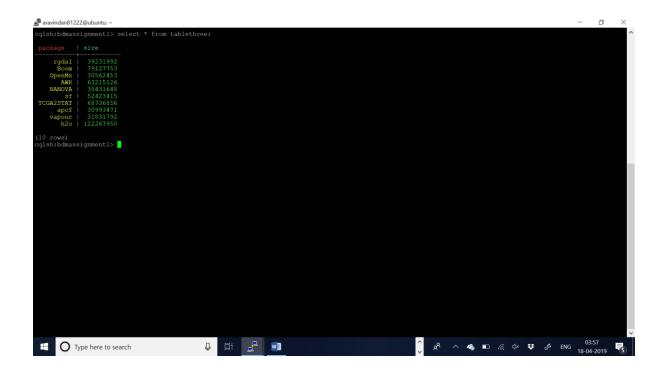




#3. Top 10 (distinct) largest sized packages

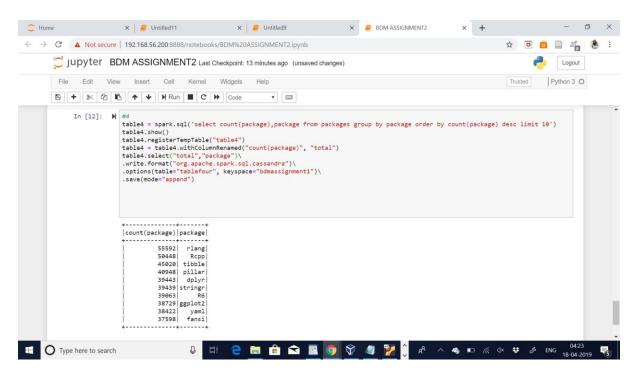
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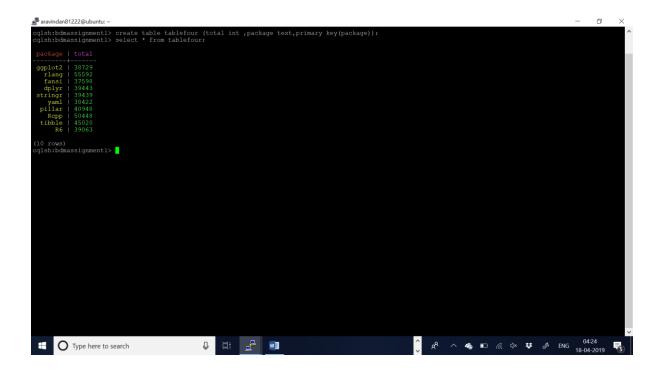




#4. What are the top 10 most popular (distinct) packages?

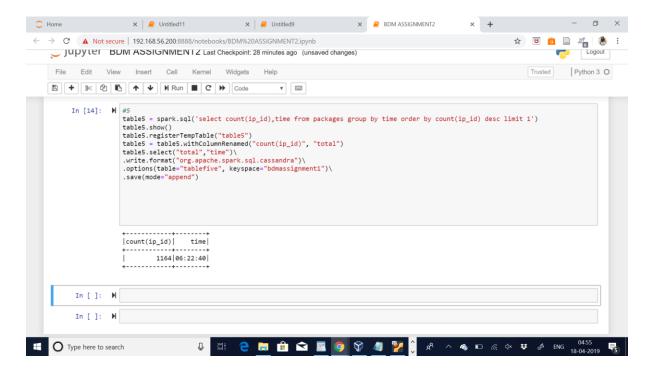
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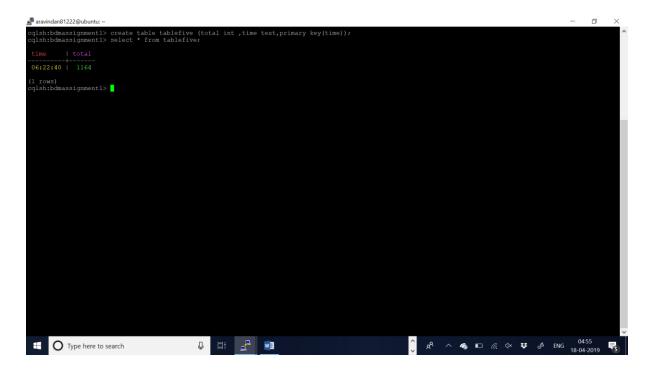




#5. In both days, at what specific hour there are most of the download hits?

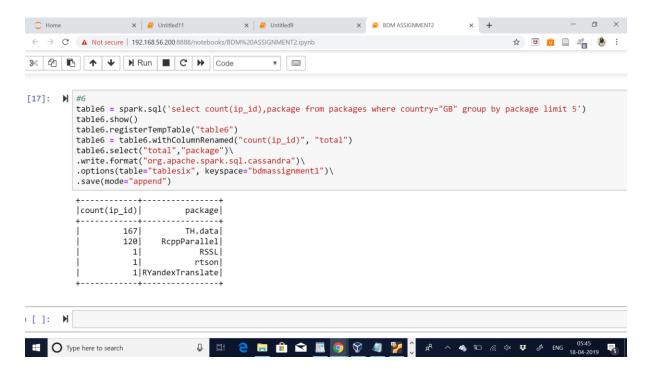
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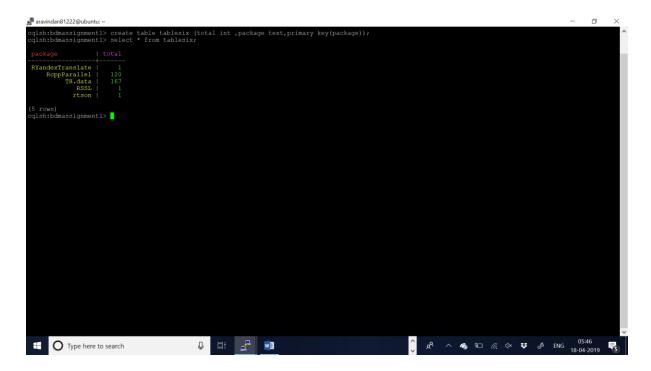




#6. What are the 5 most popular packages in UK?

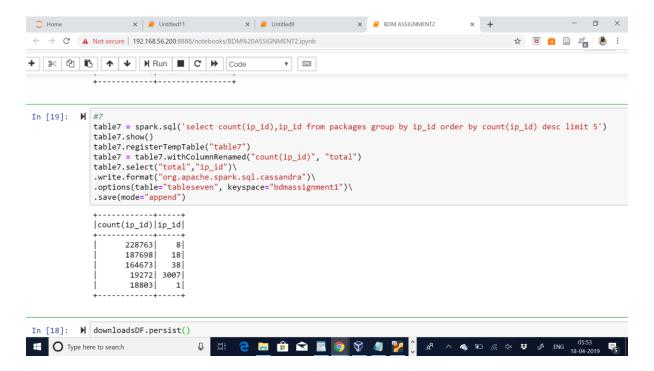
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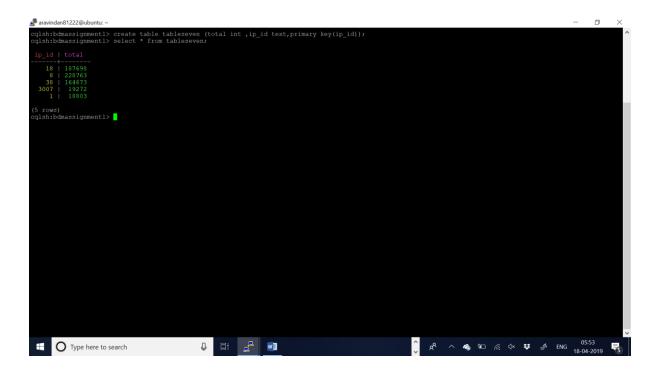




#7. Show total number of downloads by (each of the) top five machines?

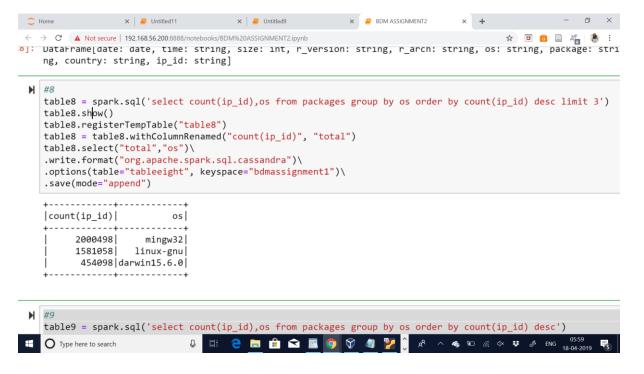
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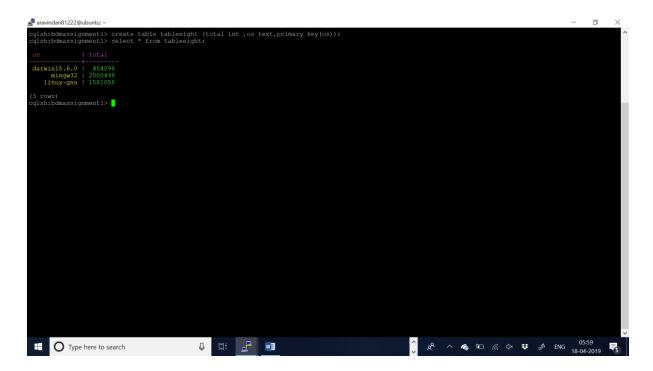




#8. Show top three OSs that are most popular among the R programmers?

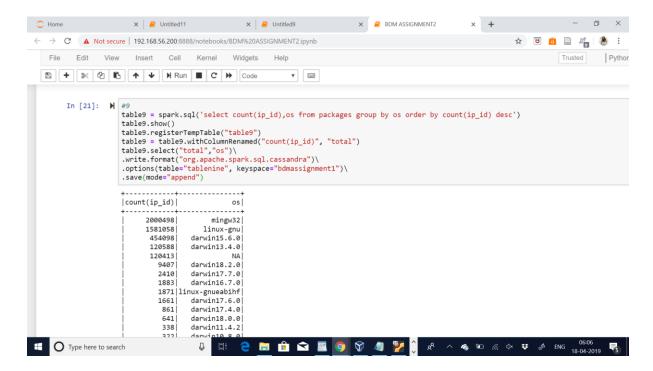
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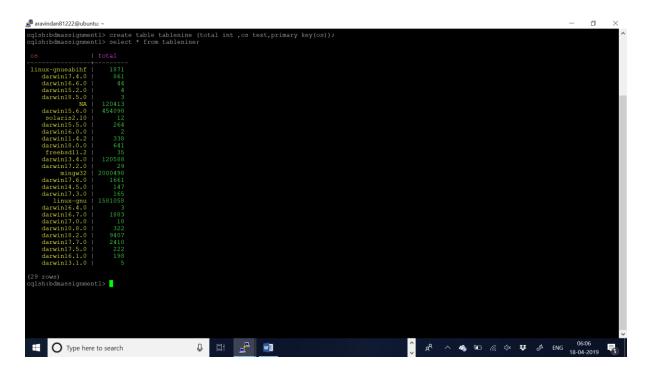




#9. Show total number of downloads by each OS type?

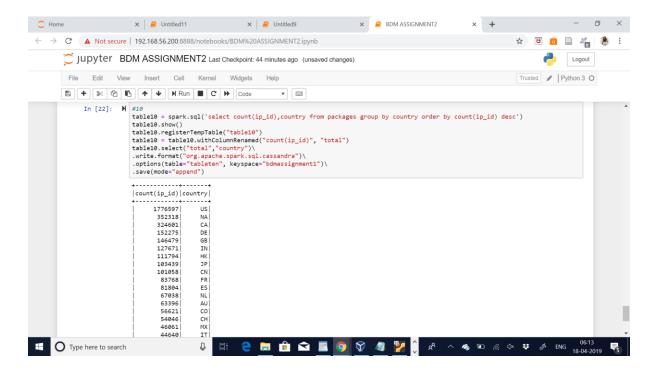
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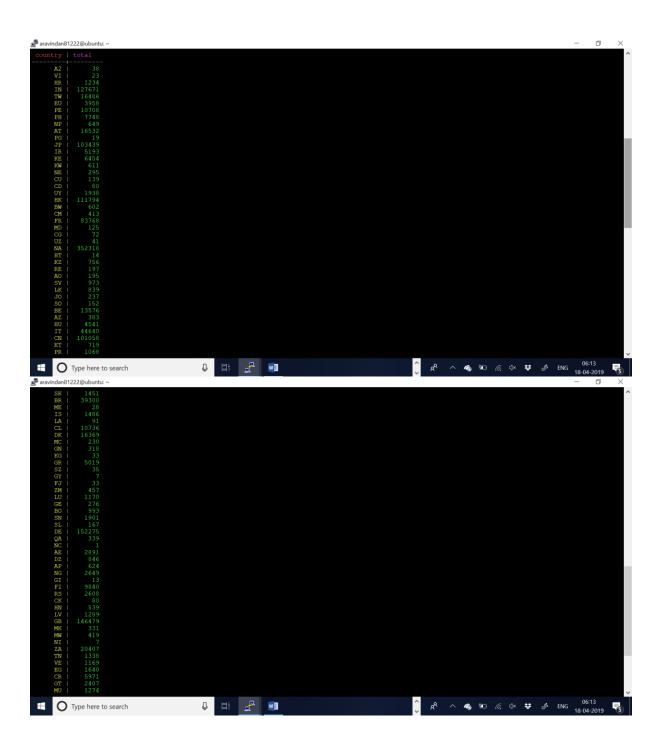


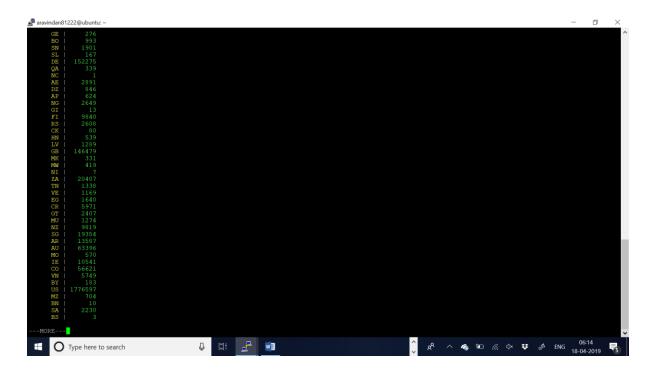


#10. Show total number of downloads by each country?

CODING:







CONCLUSION:

Thus, the key space having ten tables which fetched the values from spark sql. All the information and values are successfully loaded into Cassandra tables.

