

Assignment 9

Step 1: Create a table in MySQL Workbench and create a schema for Crane Logs table having attributes such as:

- date → Data Type (DATE)
- time → Data Type (TIME)
- size → Data Type (int)
- r_version → Data Type (varchar(10))
- r_arch → Data Type (varchar(20))
- r_os → Data Type (varchar(20))
- package → Data Type (varchar(20))
- version → Data Type (varchar(20))
- country → Data Type (varchar(5))
- ip_id → Data Type (int)

(Also fill null values with any relevant dummy value of your choice.)

Step 2: Take the reference from the excel sheet provided to you and copy the rows from the excel file.

(For reference you can have a view from this link: <https://www.youtube.com/watch?v=uXFQo4rLwzl>)

Step 3: Save the table for your reference and perform the required questions or queries and submit it in the Google Classroom:

Questions to perform:

- 9.1 give the total number of recordings in this table
- 9.2 the number of packages listed in this table?
- 9.3 How many times the package "Rcpp" was downloaded?
- 9.4 How many recordings are from China ("CN")?
- 9.5 Give the package name and how many times they're downloaded. Order by the 2nd column descently.
- 9.6 Give the package ranking (based on how many times it was downloaded) during 9AM to 11AM
- 9.7 How many recordings are from China ("CN") or Japan("JP") or Singapore ("SG")?

- 9.8 Print the countries whose downloaded are more than the downloads from China ("CN")
- 9.9 Print the average length of the package name of all the UNIQUE packages
- 9.10 Get the package whose downloading count ranks 2nd (print package name and it's download count).
- 9.11 Print the name of the package whose download count is bigger than 1000.
- 9.12 The field "r_os" is the operating system of the users. Here we would like to know what main system we have (ignore version number), the relevant counts, and the proportion (in percentage).