**Data Warehousing Project Report**

**Inam Us Salam 14948 (1 member only)**

**Submitted to: Sir Tariq Mehmood**

**Acquiring the business knowledge:**

By visiting different sites and multiple platforms regarding the Students Admissions and Portal I got to know about the different problems that students are facing around the world and also about how this works throughout the world. I used different online platforms for this like : WikiPedia, Youtube, Facebook, Facebook groups, LinkedIn and many other small and big websites to acquire and extract the data related to my problems and the steps being taken around the world to improve it.

The data was used to analyze the problem and the business knowledge template was filled excessively as it was going to help me in the task 2,5,6.

**Generating the OLTP Database Diagram:**

After making the business knowledge template I put all my assumptions and my business knowledge to make the ERD. My **ERD** is about the portal that needs to have all the knowledge and information regarding the factors related to online admissions in universities. Further this ERD also connects the different departments and previous knowledge of students needed to make sure that the student can be admitted to the university and it will further help university to keep track of students.

**Generating Random Data through Python related to my ERD.**

**On next page.**

The data was randomly created through python using different formulas and libraries of python. ****

The data here was randomly generated and saved to CSV files.

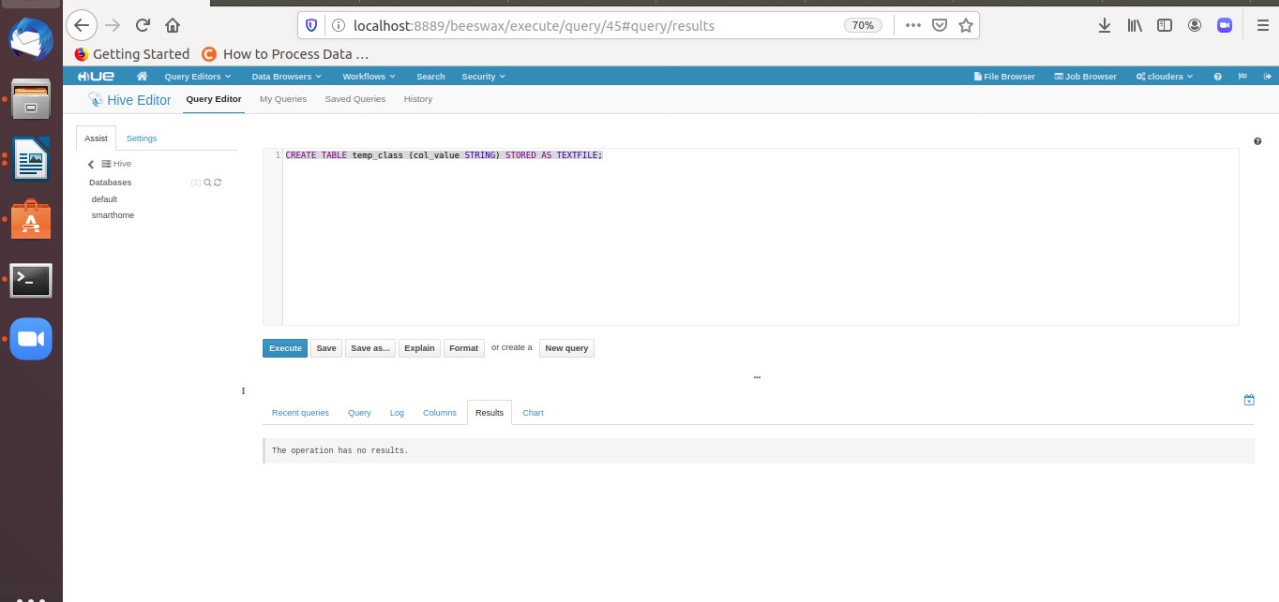
Here we are using random function of python and making very big data to work upon ot further. The functions above were used to make random data.

**Random Date Generator**



I’ve used this function to make the random dates which was used in different parts of the data.

**Dimensional Modeling with Hive:**

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