

DBMS - II

Assignment - 2

Group - 11

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Changes made to the ER-Diagram :

- **main_class:** In the ER diagram we took genre, language of release, filmed at, websites as multivalued attributes. Instead while creating the tables we took them as a single-valued attribute and the values inside it will be comma-separated. For example, if a film is released in three languages English, Hindi, Telugu then it is stored as *English, Hindi, Telugu* in the language of the release column.
- **Episode:** We considered (episode_number, season) as the primary attribute for this table as it was a weak entity. In the tsv files, we saw that there is a unique attribute for episodeid. So we considered episodeid as the primary key and made the episode as a strong entity.
- **Location :** For this we considered (Region, Country) as primary key. But looking into the tsv files we found that there is more than 1 entry with the same region, country and this will violate the unique primary key constraint. So we created a *'id serial primary key'*. So this id will be the primary key for the Location table.
- **Person:** The tsv files had death year as an attribute. So we added this attribute into our table.
- In The tables ['Air_info_movies','episode_releases_in','air_info_series'] we observed that the primary key constraint is violating according to our ER diagram in A1. So we have created a separate column that names the rows in the tables serially as *'id serial primary key'* thereby satisfying the primary key constraint.

- **Partofseries** : We considered 'role' as a multivalued attribute. But instead, we decided to keep it as a single-valued attribute, if a person is in more than one role they will be added into the table with comma separation.
- **Part_of_movie** : We considered 'role' as a multivalued attribute. But instead, we decided to keep it as a single-valued attribute, if a person is in more than one role they will be added into the table with comma separation.

Crawling :

- From this [Kaggle dataset](#)
 - We added Plot into main_class.
 - Certificate into Air_info_Movies and air_info_Series.
 - Box_office into movie.