PROJECT 1

The database is designed to manage information relating to an NBC comedy show "Saturday Night Live" particularly focusing on the cast members’ engagement in episodes and sketches. The database can be used by showrunners to track the distribution of certain actors across particular episodes and check if any managing agency, gender or nationality is overrepresented. The entities include **Actors** (id, name, surname, gender, compensation, agency, date of birth, nationality), **Sketch** (id, episode, category, duration, title), **Characters** (id, name, gender, age), and **Episode** (id, air date, host, musical guest, title, number of episode within a season, season). Additionally, information about the **Host**, **Musical Guest** (id, name, stage name, agency) and **Category** of sketches are stored in separate tables.

The relations between the entities are as follows:

* An actor can play many characters, but a character can only be played by one actor.
* A sketch can have many characters, and a character can appear in many sketches (and is always played by the same actor). To portray this in the third normal form, a junction table “**Character in Sketch**” is utilised.
* A host can be in multiple episodes, but an episode can have only one host.
* A musical guest can be in multiple episodes, but an episode can have only one musical guest.
* An episode can have many sketches (and at least one sketch to air), but a sketch can appear only in one episode.
* A sketch needs to be assigned one and only one category, but a category can apply to many (or none) sketches.

