1



**Entity-Relationship Diagram:**

- **Profesional trainers** — attributes: Ptid, names, mega level
- **Skater** (covering non-overlapping) — attributes: id, name, addres
- trained (relationship)
- ISA
- **Can skate** — attribute: stage
- **Star Skater** — attributes: year/month, Skills, Dance, Freestyle, interpretation
- rank
- participates
- **belongs to 1**
- **Sgroup** — attributes: SgId, level
- **events** — attribute: title
- **apart of**
- **competition** — attributes: Comp name, Date, Location
- belongs to 2
- **Cgroup** — attribute: CgId
- **Coach**
- **accompanied**

# Restrictions:

- if Can Skate stage > 7 move entity from Can Skate to Star Skater

- Star skater attributes can only take in varchars of preliminary, bronze, silver, gold, diamond. Default value is preliminary

- Sgroup can only take values of Junior,

Intermediate, Senior

@ Prof. trainers can only train star Skaters
   that is of his max level or lower

2

Skater (id int, name varchar, address varchar, year/mont int )

Can Skate ( id int, stage int)
       foreign key from Skater

Star Skater ( id int, skills varchar Dance varchar Freestyle varchar, Interpretation varchar)

Cgroup (Cgid int)                           certificial
                                            Keys
Sgroup (Sgid int, level varchar)

Professional trainers (Ptid int, name varchar, max level int )

Competition (name varchar, date int, location varchar)

event (name varchar, title varchar)

foreign → from competition

relations     → artificial key

trained ( Ptid int, id int )

                    foreign keys

accompanied (nothing )

apart of (nothing )

                                                 artificial key

participates (comp name varchar, title varchar, Ptid int, id int, rank int)

belongs to 1 ( id int, SgId int)       artificial key

                       foreign

belongs to 2 ( id int , CgId int)

                                  artificial key

coach ( CgId int, id int )

Can't be
NULL

foreign key

Can't be
NULL

foreign key