

Group 20:  
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CREATE TABLE Movies (  
    movie_ID VARCHAR (100) PRIMARY KEY,  
    title VARCHAR (256),  
    genre VARCHAR (256),  
    year INT,  
    length INT,  
    PG_rating VARCHAR (5)  
);  
CREATE TABLE Room (  
    room_ID VARCHAR (100) PRIMARY KEY,  
    room_number INT,  
    capacity INT  
);  
CREATE TABLE Person (  
    person_ID VARCHAR (100) PRIMARY KEY,  
    name VARCHAR (256),  
    birthdate DATE,  
    gender CHAR  
);  
CREATE TABLE User_New (  
    user_ID VARCHAR (100) PRIMARY KEY,  
    name VARCHAR (256),  
    status CHAR  
);  
CREATE TABLE Payment (  
    user_ID VARCHAR (100) PRIMARY KEY,  
    method VARCHAR (256),  
    FOREIGN KEY (user_ID) REFERENCES User_New(user_ID)  
);  
CREATE TABLE Tickets (  
    tickets_ID VARCHAR (100) PRIMARY KEY,  
    buyer VARCHAR (256),  
    show_time DECIMAL (3,2),  
    price DECIMAL (3,2),  
    User_ID VARCHAR (100),  
    FOREIGN KEY (user_ID) references User_New(user_ID)  
);  
CREATE TABLE involved_in (  
    person_name VARCHAR (256),  
    position VARCHAR (256),  
    movie_ID VARCHAR (100),
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        person_ID VARCHAR (100),
        FOREIGN KEY (movie_ID) references Movies(movie_ID),
        FOREIGN KEY (person_ID) references Person(person_ID)
    );
CREATE TABLE Showing (
    showing_ID VARCHAR (100),
    time DECIMAL (3,2),
    movie_ID VARCHAR (100),
    tickets_ID VARCHAR (100),
    room_ID VARCHAR (100),
    FOREIGN KEY (movie_ID) references Movies(movie_ID),
    FOREIGN KEY (tickets_ID) references Tickets(tickets_ID),
    FOREIGN KEY (room_ID) references Room(room_ID)
);
CREATE TABLE Rating_Person (
    user_ID VARCHAR (100),
    person_ID VARCHAR (100),
    rating DECIMAL (3,2),
    FOREIGN KEY (user_ID) references User_New(user_ID),
    FOREIGN KEY (person_ID) references Person(person_ID)
);
CREATE TABLE Rating_Movies (
    user_ID VARCHAR (100),
    movie_ID VARCHAR (100),
    rating DECIMAL (3,2),
    FOREIGN KEY (user_ID) references User_New(user_ID),
    FOREIGN KEY (movie_ID) references Movies(movie_ID)
);
CREATE INDEX movie_title_index ON Movies(title);
CREATE INDEX person_index ON involved_in(person_name);
CREATE INDEX showing_time_index ON Showing(time);

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