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CREATE DATABASE CINEMA;

USE CINEMA;

CREATE TABLE Cinema (
codiCinema integer(3) NOT NULL PRIMARY KEY,
nom varchar(45) NOT NULL,
ubicació varchar(240) NOT NULL
);

CREATE TABLE Sala (
codiSala integer(3) NOT NULL PRIMARY KEY,
capacitat integer(4) NOT NULL
);

CREATE TABLE Pel_licula (
codiPeli integer(3) NOT NULL,
codiCinema integer(3) NOT NULL REFERENCES Cinema(codiCinema),
nomPeli varchar(45) NOT NULL UNIQUE,
tipusPeli varchar(45),
codiSala integer(3) NOT NULL REFERENCES Sala(codiSala),
PRIMARY KEY (codiPeli,codiCinema)
);

CREATE TABLE Director (
codiPeli integer(3) NOT NULL REFERENCES Pel_licula(codiPeli),
codiDirector varchar(32) NOT NULL,
nom varchar(32) NOT NULL,
cognom1 varchar(32) NOT NULL,
cognom2 varchar(32),
edat integer(3) NOT NULL,
PRIMARY KEY (codiPeli,codiDirector)
);

CREATE TABLE Client (
codiPeli integer(3) NOT NULL REFERENCES Pel_licula(codiPeli),
codiClient integer(3) NOT NULL,
nom varchar(32) NOT NULL,
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cognom1 varchar(32) NOT NULL,  
cognom2 varchar(32),  
diaPeli date NOT NULL,  
preuEntrada integer(2),  
descompte integer(2),  
PRIMARY KEY (codiPeli,codiClient)  
);
```

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INSERT INTO Sala VALUES('101', '23');  
INSERT INTO Sala VALUES('111', '43');  
INSERT INTO Sala VALUES('121', '87');  
INSERT INTO Sala VALUES('131', '39');
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```
INSERT INTO Pel_licula VALUES('9876', '2', 'El buen patrón','drama','121');  
INSERT INTO Pel_licula VALUES('1234', '1', 'Star Wars Episodio XVI','ficció','131');  
INSERT INTO Pel_licula VALUES('1468', '2', 'Mediterraneo','drama','101');
```

```
INSERT INTO Director VALUES('9876','212', 'Manuel','Lorenzo','Perez','54');  
INSERT INTO Director VALUES('1234','342', 'Rosa','Puig','Serrano','29');  
INSERT INTO Director VALUES('1468','033', 'Esther','Smart','Luengo','33');
```

```
INSERT INTO Client VALUES('9876','12','Pau','Poal',NULL,'22-02-03','10',NULL);  
INSERT INTO Client VALUES('9876','13','Laura','Garcia','Ros','22-02-03','15',NULL);  
INSERT INTO Client VALUES('9876','15','Frederic','Lopez','Camino','22-02-03','10',NULL);  
INSERT INTO Client VALUES('1234','16','Nuria','Loez',NULL,'22-01-20','15','20');  
INSERT INTO Client VALUES('1234','22','Frederic','Lopez','Camino','22-01-20','10','10');
```

```
INSERT INTO Cinema VALUES('1','Yelmo cines','Gran via 165');  
INSERT INTO Cinema VALUES('2','Balmes cines','Balmes 23');  
INSERT INTO Cinema VALUES('3','Cinemes Verdi','Carrer verdi 12');
```

Consultas

Select * from Client ORDER BY codiClient;

Select nom from Cinema WHERE codiCinema >= 1;

SELECT nom, edat from Director WHERE edat BETWEEN 20 AND 40;

Select nomPeli from Pel_licula WHERE nomPeli LIKE '%n%';

Select nomPeli from Pel_licula WHERE tipusPeli IN ('ficcio');

Select COUNT(DISTINCT nom) AS "QUANTS NOMS DIFERENTS" FROM Client;

Select DISTINCT tipusPeli from Pel_licula;

Select DISTINCT nomPeli, tipusPeli FROM Pel_licula INNER JOIN Client ON
Client.codiPeli = Pel_licula.codiPeli;

Select CASE WHEN descompte IS NULL THEN avg(preuEntrada) ELSE
avg(preuEntrada - (preuEntrada*descompte/100)) END AS 'PREU MITJA ENTRADES'
FROM Client;

Update Pel_licula SET nomPeli = 'Star Wars Episodio III' WHERE nomPeli = 'Star
Wars Episodio XVI';

Select nomPeli from Pel_licula;