

Group Project Phase 2

Group Section:

1. Tyler Hoh - Thursday
2. Grayson Mical - Thursday
3. Pierre Antoine - Friday
4. Benhur Tadiparti - Friday

```
CREATE TABLE Type ( ShowID CHAR(10) NOT NULL UNIQUE, Title CHAR(10) NOT  
NULL UNIQUE, RYear INTEGER, PRIMARY KEY(ShowID) );
```

```
INSERT INTO Type VALUES('81145628', 'Norm of the North: King Sized  
Adventure', 2019);  
INSERT INTO Type VALUES('80117401', 'Jandino: Whatever it Takes', 2016);  
INSERT INTO Type VALUES('70234439', 'Transformers Prime', 2013);  
INSERT INTO Type VALUES('80125979', '#realityhigh', 2017);  
INSERT INTO Type VALUES('70235731', 'The Blue Planet: A Natural History of  
the Oceans', 2001);  
INSERT INTO Type VALUES('70261978', 'Frozen Planet', 2011);  
INSERT INTO Type VALUES('80157072', 'Hold the Dark', 2018);  
INSERT INTO Type VALUES('80201933', 'Made in Mexico', 2018);  
INSERT INTO Type VALUES('80203776', 'Bitcoin Heist', 2016);  
INSERT INTO Type VALUES('80190449', 'The Endless', 2017);
```

```
CREATE TABLE Director ( DID CHAR(10) NOT NULL UNIQUE, DName CHAR(20)  
NOT NULL, PRIMARY KEY(DID) );
```

```
INSERT INTO Director VALUES('1', 'Richard Finn');  
INSERT INTO Director VALUES('2', 'Christopher C.C. Wong');  
INSERT INTO Director VALUES('3', 'Alex Kurtzman');  
INSERT INTO Director VALUES('4', 'Fernando Lebrija');  
INSERT INTO Director VALUES('5', 'Alastair Fothergill');  
INSERT INTO Director VALUES('6', 'Jeremy Saulnier');  
INSERT INTO Director VALUES('7', 'Duncan Bridgeman');  
INSERT INTO Director VALUES('8', 'Ham Tran');  
INSERT INTO Director VALUES('9', 'Justin Benson');  
INSERT INTO Director VALUES('10', 'Aaron Moorhead');
```

```
CREATE TABLE Casts ( CID CHAR(10) NOT NULL UNIQUE, CName CHAR(20) NOT NULL, PRIMARY KEY(CID) );
```

```
INSERT INTO Casts VALUES('1', 'Alan Marriott');
INSERT INTO Casts VALUES('2', 'Andrew Toth');
INSERT INTO Casts VALUES('3', 'Brian Dobson');
INSERT INTO Casts VALUES('4', 'Cole Howard');
INSERT INTO Casts VALUES('5', 'Jennifer Cameron');
INSERT INTO Casts VALUES('6', 'Jonathan Holmes');
INSERT INTO Casts VALUES('7', 'Lee Tockar');
```

```
INSERT INTO Casts VALUES('8', 'Jandino Asporaat');
```

```
INSERT INTO Casts VALUES('9', 'Peter Cullen');
INSERT INTO Casts VALUES('10', 'Sumalee Montano');
INSERT INTO Casts VALUES('11', 'Frank Welker');
INSERT INTO Casts VALUES('12', 'Jeffrey Combs');
INSERT INTO Casts VALUES('13', 'Kevin Michael Richardson');
INSERT INTO Casts VALUES('14', 'Tania Gunadir');
```

```
INSERT INTO Casts VALUES('15', 'Nesta Cooper');
INSERT INTO Casts VALUES('16', 'Kate Walsh');
INSERT INTO Casts VALUES('17', 'John Michael Higgins');
INSERT INTO Casts VALUES('18', 'Keith Powers');
INSERT INTO Casts VALUES('19', 'Alicia Sanz');
INSERT INTO Casts VALUES('20', 'Jake Borelli');
INSERT INTO Casts VALUES('21', 'Kid Ink');
```

```
INSERT INTO Casts VALUES('22', 'David Attenborough');
```

```
INSERT INTO Casts VALUES('23', 'Jeffrey Wright');
INSERT INTO Casts VALUES('24', 'Alexander Skarsgård');
INSERT INTO Casts VALUES('25', 'James Badge Dale');
INSERT INTO Casts VALUES('26', 'Riley Keough');
INSERT INTO Casts VALUES('27', 'Julian Black Antelope');
```

```
INSERT INTO Casts VALUES('28', 'Bella Ramsey');
INSERT INTO Casts VALUES('29', 'Ameerah Falzon-Ojo');
INSERT INTO Casts VALUES('30', 'Oliver Nelson');
INSERT INTO Casts VALUES('31', 'Daisy Haggard');
```

```
INSERT INTO Casts VALUES('32', 'Rasmus Hardiker');
```

```
INSERT INTO Casts VALUES('33', 'Kate Nhung');  
INSERT INTO Casts VALUES('34', 'Thanh Pham');  
INSERT INTO Casts VALUES('35', 'Petey Majik Nguyen');  
INSERT INTO Casts VALUES('36', 'Suboi');  
INSERT INTO Casts VALUES('37', 'Jayvee Mai The Hiep');  
INSERT INTO Casts VALUES('38', 'Lam Thanh My');
```

```
INSERT INTO Casts VALUES('39', 'Aaron Moorhead');  
INSERT INTO Casts VALUES('40', 'Justin Benson');  
INSERT INTO Casts VALUES('41', 'Callie Hernandezn');  
INSERT INTO Casts VALUES('42', 'Lew Temple');  
INSERT INTO Casts VALUES('43', 'James Jordan');  
INSERT INTO Casts VALUES('44', 'Tate Ellington');
```

```
CREATE TABLE Genre ( GName CHAR(10) NOT NULL UNIQUE, PRIMARY  
Key(GName) );
```

```
INSERT INTO Genre VALUES('Action');  
INSERT INTO Genre VALUES('Adventure');  
INSERT INTO Genre VALUES('Animation');  
INSERT INTO Genre VALUES('Drama');  
INSERT INTO Genre VALUES('Comedy');  
INSERT INTO Genre VALUES('Thriller');  
INSERT INTO Genre VALUES('Documentary');  
INSERT INTO Genre VALUES('Horror');
```

```
CREATE TABLE Language ( LName CHAR(10) NOT NULL UNIQUE, PRIMARY  
KEY(LName) );
```

```
INSERT INTO Language VALUES('English');  
INSERT INTO Language VALUES('Spanish');  
INSERT INTO Language VALUES('Greek');
```

```
CREATE TABLE TVshow ( ShowID CHAR(10) NOT NULL UNIQUE, Seasons INTEGER  
NOT NULL, Episodes INTEGER NOT NULL, PRIMARY KEY(ShowID), FOREIGN  
KEY(ShowID) REFERENCES Type );
```

```
CREATE INDEX tvshow_seasons_episodes_idx
```

ON TVshow (Seasons, Episodes);

```
INSERT INTO TVshow VALUES('70234439', 3, 65);
INSERT INTO TVshow VALUES('70235731', 1, 8);
INSERT INTO TVshow VALUES('70261978', 1, 8);
INSERT INTO TVshow VALUES('80201933', 1, 8);
```

```
CREATE TABLE Movies ( ShowID CHAR(10) NOT NULL UNIQUE, Duration INTEGER
NOT NULL, PRIMARY KEY(ShowID), FOREIGN KEY(ShowID) REFERENCES
Type );
```

```
CREATE INDEX movies_duration_idx
ON Movies (Duration);
```

```
INSERT INTO Movies VALUES('81145628', 90);
INSERT INTO Movies VALUES('80117401', 94);
INSERT INTO Movies VALUES('80125979', 99);
INSERT INTO Movies VALUES('80157072', 126);
INSERT INTO Movies VALUES('80203776', 116);
INSERT INTO Movies VALUES('80190449', 112);
```

```
CREATE TABLE Recommends ( ShowID CHAR(10) NOT NULL, OtherID CHAR(10)
NOT NULL, PRIMARY KEY(ShowID, OtherID), FOREIGN KEY(ShowID)
REFERENCES Type, FOREIGN KEY(OtherID) REFERENCES Type(ShowID) );
```

```
INSERT INTO Recommends VALUES ('81145628', '80117401');
INSERT INTO Recommends VALUES ('81145628', '70234439');
INSERT INTO Recommends VALUES ('81145628', '80125979');
INSERT INTO Recommends VALUES ('81145628', '80157072');
INSERT INTO Recommends VALUES ('81145628', '80203776');
```

```
INSERT INTO Recommends VALUES ('80117401', '81145628');
INSERT INTO Recommends VALUES ('80117401', '80125979');
INSERT INTO Recommends VALUES ('80117401', '80203776');
```

```
INSERT INTO Recommends VALUES ('70234439', '81145628');
INSERT INTO Recommends VALUES ('70234439', '80157072');
INSERT INTO Recommends VALUES ('70234439', '80203776');
```

```
INSERT INTO Recommends VALUES ('80125979', '81145628');
INSERT INTO Recommends VALUES ('80125979', '80117401');
```

INSERT INTO Recommends VALUES ('80125979', '80203776');

INSERT INTO Recommends VALUES ('70235731', '70261978');

INSERT INTO Recommends VALUES ('70235731', '80201933');

INSERT INTO Recommends VALUES ('70261978', '70235731');

INSERT INTO Recommends VALUES ('70261978', '80201933');

INSERT INTO Recommends VALUES ('80157072', '81145628');

INSERT INTO Recommends VALUES ('80157072', '70234439');

INSERT INTO Recommends VALUES ('80157072', '80203776');

INSERT INTO Recommends VALUES ('80201933', '70235731');

INSERT INTO Recommends VALUES ('80201933', '70261978');

INSERT INTO Recommends VALUES ('80203776', '81145628');

INSERT INTO Recommends VALUES ('80203776', '80117401');

INSERT INTO Recommends VALUES ('80203776', '70234439');

INSERT INTO Recommends VALUES ('80203776', '80125979');

INSERT INTO Recommends VALUES ('80203776', '80157072');

CREATE TABLE DirectedBy (ShowID CHAR(10) NOT NULL, DID CHAR(10) NOT NULL, PRIMARY KEY(ShowID, DID), FOREIGN KEY(ShowID) REFERENCES Type, FOREIGN KEY(DID) REFERENCES Director);

INSERT INTO DirectedBy VALUES('81145628', '1');

INSERT INTO DirectedBy VALUES('80117401', '2');

INSERT INTO DirectedBy VALUES('70234439', '3');

INSERT INTO DirectedBy VALUES('80125979', '4');

INSERT INTO DirectedBy VALUES('70235731', '5');

INSERT INTO DirectedBy VALUES('70261978', '5');

INSERT INTO DirectedBy VALUES('80157072', '6');

INSERT INTO DirectedBy VALUES('80201933', '7');

INSERT INTO DirectedBy VALUES('80203776', '8');

INSERT INTO DirectedBy VALUES('80190449', '9');

INSERT INTO DirectedBy VALUES('80190449', '10');

```
CREATE TABLE CastBy ( CID CHAR(10) NOT NULL, DID CHAR(10) NOT NULL,  
PRIMARY KEY(CID, DID), FOREIGN KEY(CID) REFERENCES Casts, FOREIGN  
KEY(DID) REFERENCES Director );
```

```
INSERT INTO CastBy VALUES('1', '1');  
INSERT INTO CastBy VALUES('2', '1');  
INSERT INTO CastBy VALUES('3', '1');  
INSERT INTO CastBy VALUES('4', '1');  
INSERT INTO CastBy VALUES('5', '1');  
INSERT INTO CastBy VALUES('6', '1');  
INSERT INTO CastBy VALUES('7', '1');
```

```
INSERT INTO CastBy VALUES('8', '2');
```

```
INSERT INTO CastBy VALUES('9', '3');  
INSERT INTO CastBy VALUES('10', '3');  
INSERT INTO CastBy VALUES('11', '3');  
INSERT INTO CastBy VALUES('12', '3');  
INSERT INTO CastBy VALUES('13', '3');  
INSERT INTO CastBy VALUES('14', '3');
```

```
INSERT INTO CastBy VALUES('15', '4');  
INSERT INTO CastBy VALUES('16', '4');  
INSERT INTO CastBy VALUES('17', '4');  
INSERT INTO CastBy VALUES('18', '4');  
INSERT INTO CastBy VALUES('19', '4');  
INSERT INTO CastBy VALUES('20', '4');  
INSERT INTO CastBy VALUES('21', '4');
```

```
INSERT INTO CastBy VALUES('22', '5');
```

```
INSERT INTO CastBy VALUES('23', '6');  
INSERT INTO CastBy VALUES('24', '6');  
INSERT INTO CastBy VALUES('25', '6');  
INSERT INTO CastBy VALUES('26', '6');  
INSERT INTO CastBy VALUES('27', '6');
```

```
INSERT INTO CastBy VALUES('28', '7');  
INSERT INTO CastBy VALUES('29', '7');  
INSERT INTO CastBy VALUES('30', '7');
```

```
INSERT INTO CastBy VALUES('31', '7');
INSERT INTO CastBy VALUES('32', '7');
```

```
INSERT INTO CastBy VALUES('33', '8');
INSERT INTO CastBy VALUES('34', '8');
INSERT INTO CastBy VALUES('35', '8');
INSERT INTO CastBy VALUES('36', '8');
INSERT INTO CastBy VALUES('37', '8');
INSERT INTO CastBy VALUES('38', '8');
```

```
INSERT INTO CastBy VALUES('39', '9');
INSERT INTO CastBy VALUES('40', '9');
INSERT INTO CastBy VALUES('41', '9');
INSERT INTO CastBy VALUES('42', '9');
INSERT INTO CastBy VALUES('43', '9');
INSERT INTO CastBy VALUES('44', '9');
```

```
INSERT INTO CastBy VALUES('39', '10');
INSERT INTO CastBy VALUES('40', '10');
INSERT INTO CastBy VALUES('41', '10');
INSERT INTO CastBy VALUES('42', '10');
INSERT INTO CastBy VALUES('43', '10');
INSERT INTO CastBy VALUES('44', '10');
```

```
CREATE TABLE TypeGenre ( ShowID CHAR(10) NOT NULL, GName CHAR(10) NOT
NULL, PRIMARY KEY(ShowID, GName), FOREIGN KEY(ShowID) REFERENCES
Type, FOREIGN KEY(GName) REFERENCES Genre );
```

```
INSERT INTO TypeGenre VALUES('81145628', 'Action');
INSERT INTO TypeGenre VALUES('81145628', 'Comedy');
```

```
INSERT INTO TypeGenre VALUES('80117401', 'Comedy');
```

```
INSERT INTO TypeGenre VALUES('70234439', 'Animation');
INSERT INTO TypeGenre VALUES('70234439', 'Action');
INSERT INTO TypeGenre VALUES('70234439', 'Adventure');
INSERT INTO TypeGenre VALUES('70234439', 'Drama');
INSERT INTO TypeGenre VALUES('70234439', 'Thriller');
```

```
INSERT INTO TypeGenre VALUES('80125979', 'Comedy');
```

```

INSERT INTO TypeGenre VALUES('70235731', 'Documentary');
INSERT INTO TypeGenre VALUES('70261978', 'Documentary');

INSERT INTO TypeGenre VALUES('80157072', 'Action');
INSERT INTO TypeGenre VALUES('80157072', 'Adventure');
INSERT INTO TypeGenre VALUES('80157072', 'Drama');

INSERT INTO TypeGenre VALUES('80201933', 'Documentary');

INSERT INTO TypeGenre VALUES('80203776', 'Action');
INSERT INTO TypeGenre VALUES('80203776', 'Comedy');

INSERT INTO TypeGenre VALUES('80190449', 'Horror');

CREATE TABLE Spoken ( ShowID CHAR(10) NOT NULL, LName CHAR(10) NOT
NULL, PRIMARY KEY(ShowID, LName), FOREIGN KEY(ShowID) REFERENCES
Type, FOREIGN KEY(LName) REFERENCES Language );

INSERT INTO Spoken VALUES('81145628', 'English');

INSERT INTO Spoken VALUES('80117401', 'English');
INSERT INTO Spoken VALUES('80117401', 'Spanish');

INSERT INTO Spoken VALUES('70234439', 'English');
INSERT INTO Spoken VALUES('80125979', 'English');
INSERT INTO Spoken VALUES('70235731', 'English');
INSERT INTO Spoken VALUES('70261978', 'English');

INSERT INTO Spoken VALUES('80157072', 'English');
INSERT INTO Spoken VALUES('80157072', 'Spanish');
INSERT INTO Spoken VALUES('80157072', 'Greek');

INSERT INTO Spoken VALUES('80201933', 'English');
INSERT INTO Spoken VALUES('80201933', 'Spanish');

INSERT INTO Spoken VALUES('80203776', 'English');
INSERT INTO Spoken VALUES('80190449', 'English');

CREATE VIEW [Spanish_Movies] AS SELECT T.ShowID, T.Title
FROM Type T, Spoken S

```


WHERE T.ShowID = S.ShowID AND S.LName = 'Spanish';

SELECT G.Gname
FROM TypeGenre G
GROUP By G.Gname
HAVING 3 <= count(G.ShowID);

SELECT S.Seasons, SUM(S.Episodes)
FROM Type T
INNER JOIN TVshow S on S.ShowID = T.ShowID
GROUP BY S.Seasons
Having 8 <= SUM(S.Episodes);

GName
Action
Comedy
Documentary

Seasons	SUM(S.Episodes)
1	24
3	65

SELECT T.Title
FROM Type T
WHERE T.ShowID IN (Select M.ShowID
FROM Movies M
WHERE M.Duration <= 100);

Title
Jandino: Whatever it Takes
#realityhigh
Norm of the North: King Sized Adventure

SELECT D.DName
FROM Director D
WHERE D.DID NOT IN (SELECT B.DID
FROM DirectedBy B
WHERE B.ShowID IN (SELECT T.ShowID
FROM TVShow T));

DName
Richard Finn
Christopher C.C. Wong
Fernando Lebrija
Jeremy Saulnier
Ham Tran
Justin Benson
Aaron Moorhead