THE CODE

--DOWN

DROP table if EXISTS Models

DROP table if EXISTS Managers

DROP table if EXISTS Judges

IF EXISTS(select\* from INFORMATION\_SCHEMA.TABLE\_CONSTRAINTS

where CONSTRAINT\_NAME='fk\_Judges\_staffid')

alter table Transactions DROP CONSTRAINT fk\_Judges\_staffid

DROP table if EXISTS Staff

DROP table if EXISTS Guests

DROP table if EXISTS Brands

DROP table if EXISTS Designers

GO

--UP METADATA

CREATE TABLE Models(

modelid int not NULL,

modelname varchar (50) not null,

managerid int not NULL,

gender varchar(50) not NULL,

modelsize varchar(50) not NULL,

brandid int not NULL,

modelfees int not NULL,

CONSTRAINT pk\_Models\_modelid PRIMARY KEY(modelid)

)

CREATE TABLE Managers(

managerid int not NULL,

managername varchar (50) not null,

modelid int not NULL,

managerfees int not NULL,

managercontact varchar(50) not NULL,

agency varchar(50) not NULL,

CONSTRAINT pk\_Managers\_managerid PRIMARY KEY(managerid)

)

CREATE TABLE Staff(

staffid int not NULL,

staffname varchar (50) not null,

department varchar (50) not null,

staffcontact varchar(50) not NULL,

CONSTRAINT pk\_Staff\_staffid PRIMARY KEY(staffid)

)

CREATE TABLE Judges(

judgeid int not NULL,

judgename varchar (50) not null,

staffid int not NULL,

vote int not NULL,

judgecontact varchar(50) not NULL,

CONSTRAINT pk\_Judges\_judgeid PRIMARY KEY(judgeid),

CONSTRAINT fk\_Judges\_staffid FOREIGN KEY(staffid)

REFERENCES Staff(staffid)

)

CREATE TABLE Guests(

guestid int not NULL,

guestname varchar (50) not null,

gueststatus int not NULL,

seatingpriority varchar(50) not NULL,

staffid int not NULL,

poll int not NULL,

CONSTRAINT pk\_Guests\_guestid PRIMARY KEY(guestid)

)

CREATE TABLE Brands(

brandid int not NULL,

brandname varchar (50) not null,

designerid int not NULL,

brandseason varchar(50) not NULL,

brandforte varchar(50) not NULL,

CONSTRAINT pk\_Brands\_brandid PRIMARY KEY(brandid)

)

CREATE TABLE Designers(

designerid int not NULL,

designername varchar (50) not null,

brandid int not NULL,

staffid int not NULL,

designerforte varchar(50) not NULL,

designercontact varchar(50) not NULL,

CONSTRAINT pk\_Designers\_designerid PRIMARY KEY(designerid)

)

GO

INSERT INTO [dbo].[Models]

( -- Columns to insert data into

modelid,

modelname,

managerid,

gender,

modelsize,

brandid,

modelfees

)

VALUES

(1, 'Barbara Palvin', 101, 'F', 'S', 2011, 15000),

(2, 'Gigi Hadid', 102, 'F', 'S', 2001, 18000),

(3, 'Kylie Jenner', 103, 'F', 'M', 2010, 25000),

(4, 'Kendal Jenner', 104 ,'F', 'M', 2002, 22000),

(5, 'Irina Shayke', 105, 'F', 'XS', 2009, 14000),

(6,'Candace Swanepoel', 106, 'F', 'S', 2003, 19000),

(7, 'Kate Hudson', 107, 'F', 'L', 2008, 20000),

(8, 'Mike McMillan', 108, 'M', 'L', 2004, 13000),

(9, 'Pietro Boselli', 109, 'M', 'XL', 2007, 10000),

(10, 'David Beckham', 110, 'M', 'L', 2005, 20000),

(11 , 'Lucky Smith' ,111, 'M', 'M', 2006, 8000)

GO

-- Insert rows into table 'managers' in schema '[dbo]'

INSERT INTO [dbo].[Managers]

( -- Columns to insert data into

managerid,

managername,

modelid,

managerfees,

managercontact,

agency

)

VALUES

(101, 'Aaliyah Serrano', 3, $1000, 1234567890, 'Next NY'),

(102, 'Jennifer Johnson', 2, $2000, 9876543210, 'Jag Models'),

(103, 'Natalie Robinson', 5, $1500, 3456789012, 'Future Models'),

(104, 'John Ferguson', 4, $4000, 4567890123, 'Wilhelmina New York'),

(105, 'Samuel Patterson', 1, $3000, 5432123456, 'Crawford Models'),

(106, 'Jasmine James', 6, $2400, 8909876543, 'Ford Models'),

(107, 'Patricia Hamilton', 8, $6300, 6152437893, 'CAA'),

(108, 'Michael Hensley', 7, $3600, 8273619463, 'State Management'),

(109, 'Elijah Fisher', 9, $2800, 8723543456, 'VNY Models'),

(110, 'Justin Wright', 11, $4100, 2342654575, 'One Management'),

(111, 'Paula Reyes', 10, $5200, 3468454453, 'DNA Models')

GO

-- Insert rows into table 'staff' in schema '[dbo]'

INSERT INTO [dbo].[staff]

( -- Columns to insert data into

staffid,

staffname,

department,

staffcontact

)

VALUES

(301, 'Anthony Montoya',' Logistics', '8723468295'),

(302, 'Mattie Demers', 'Photography', '9823572863'),

(303, 'Collin Canady', 'Hospitality',' 6236356924'),

(304, 'Haven Mathis' ,'Lights and Stage', '2351083245'),

(305, 'Jaleel Patrick', 'Logistics', '4302384565'),

(306, 'Marlon Tharp' ,'Hospitality', '2193436571'),

(307,'Taylor Baggett' ,'Lights and Stage',' 6802943643'),

(308, 'Jala Arreola' ,'Hospitality', '2934875602'),

(309, 'Maricela Doty' ,'Logistics', '2965635434'),

(310, 'Gabriel Howe' ,'Photography', '3683655434'),

(311, 'James Charles' ,'Hospitality', '3134683234')

GO

-- Insert rows into table 'judges' in schema '[dbo]'

INSERT INTO [dbo].[judges]

( -- Columns to insert data into

judgeid,

judgename,

staffid,

vote,

judgecontact

)

VALUES

(1001, 'Jamie Pennington', 311, 2, 'jamie@gmail.com'),

(1002, 'Jett Rush', 301, 4, 'Jett@gmail.com'),

(1003, 'Nancy Fields', 310, 3, 'nancy@gmail.com'),

(1004, 'Fernando Craig', 302, 1, 'fernando@gmail.com'),

(1005, 'Bridger Li', 309, 6, 'bridger@gmail.com'),

(1006, 'Erica Avila', 303, 3, 'erica@gmail.com'),

(1007, 'Julius Page', 308, 5, 'julius@gmail.com'),

(1008, 'Karen Watts',304 ,1, 'karen@gmail.com'),

(1009, 'Amaris Anderson', 307, 8, 'amaris@gmail.com'),

(1010, 'Valery Carlson', 306, 9, 'valery@gmail.com'),

(1011, 'Steve Hunt', 305 ,3, 'steve@gmail.com')

GO

-- Insert rows into table 'guests' in schema '[dbo]'

INSERT INTO [dbo].[guests]

( -- Columns to insert data into

guestid,

guestname,

gueststatus,

seatingpriority,

staffid,

poll

)

VALUES

(10001, 'Rutwik Ghag' ,1, 'Medium', 303, 5),

(10002, 'Ishita Joshi', 1, 'Medium', 301 ,2),

(10003, 'Siddhi Bhandari' ,1, 'High', 311 ,1),

(10004, 'Ayushi Bhatnagar', 1, 'High', 309 ,1),

(10005, 'Forum Dattani' ,1, 'High',308, 4),

(10006,'Puneet Shetty' ,1, 'High', 302, 1),

(10007, 'Zinkal Thakkar ' ,1, 'Medium', 305 ,7),

(10008, 'Nikita Sirvani' ,1, 'Low', 307 ,4),

(10009, 'Vedant Rawat' ,1, 'Low' ,306, 2),

(10010, 'Anand Vamasi ' ,1, 'Medium', 310 ,8)

GO

-- Insert rows into table 'brand' in schema '[dbo]'

INSERT INTO [dbo].[brands]

( -- Columns to insert data into

brandid,

brandname,

designerid,

brandseason,

brandforte)

VALUES

(2001, 'Louis Vuitton', 201, 'Fall','Tops'),

(2002, 'Prada', 202, 'Summer', 'Jeans'),

(2003, 'Fenti', 203, 'Spring', 'Shirts'),

(2004, 'Moshino', 204, 'Winter', 'blouses'),

(2005,'Armani', 205 ,'Fall', 'swimwear'),

(2006,'Versache', 206, 'Summer', 'cardigans'),

(2007,'Dolce & gabbana', 207 ,'Spring','jackets'),

(2008,'Dior', 208, 'Winter', 'lingerie'),

(2009,'Missoni',209 ,'Fall' ,'Shoes'),

(2010,'Valentino', 210, 'Summer', 'Blazer'),

(2011, 'Gucci', 211, 'Fall', 'boots')

GO

-- Insert rows into table 'designers' in schema '[dbo]'

INSERT INTO [dbo].[designers]

( -- Columns to insert data into

designerid,

designername,

brandid,

staffid,

designerforte,

designercontact

)

VALUES

(201, 'Marc Jacobs', 2001, 311,' Tops', 'marc@gmail.com'),

(202, 'Prabal Gurung' ,2002, 302, 'Jeans', 'prabal@gmail.com'),

(203, 'Anna Sui', 2003, 301 ,'Shirts' ,'anna@gmail.com'),

(204, 'Jeremy Scott', 2004, 305, 'blouses','jeremy@gmail.com'),

(205, 'Thom Browne' ,2005 ,309, 'swimwear', 'thom@gmail.com'),

(206, 'Jason Wu', 2006, 310, 'cardigans' ,'jason@gmail.com'),

(207, 'Brandon Maxwell' , 2007, 308,'jackets', 'brandon@gmail.com'),

(208, 'Michael Kors', 2008, 306 ,'lingerie', 'michael@gmail.com'),

(209, 'Carolina herrara' ,2009 ,307,'Shoes', 'carolina@gmail.com'),

(210, 'Alexander Wang', 2010, 304, 'Blazer','alexander@gmail.com'),

(211, 'Lewis Hamilton', 2011, 303, 'Boots','lewham@gmail.com')

GO

select \* from Brands

/\*1. To find models paid more than $15,000 \*/

select modelname as Model, gender as Gender

from Models

where modelfees > 15000

group by gender, modelname

/\*2. To find the average pay by gender for models \*/

select avg(modelfees) as Pay, gender as Gender

from Models

group by gender

/\*3. To find the average pay by season for models \*/

select avg(m.modelfees) as Pay, b.brandseason as Season

from Models m join Brands b on m.brandid = b.brandid

group by b.brandseason

/\*4. To find the brand each model will represent and the season \*/

select Models.modelname as Model, Brands.brandname as Brand, Brands.brandseason as Fashion\_Season

from Models JOIN Brands on Models.brandid=Brands.brandid

order by brandname

/\*5. To find the most voted model \*/

Go

with model\_query AS(

select vote,modelname

from Judges j JOIN Models m on j.vote = m.modelid

)

SELECT count(vote) OVER(partition by modelname)AS count\_of\_votes,modelname,vote

FROM model\_query

order by count\_of\_votes DESC

Drop view if EXISTS something

GO

Create view something AS

with model\_query AS(

select vote,modelname

from Judges j JOIN Models m on j.vote = m.modelid )

SELECT count(vote) OVER(partition by modelname)AS count\_of\_votes,modelname,vote

FROM model\_query

GO

Select distinct count\_of\_votes as No\_of\_votes, modelname as Model from something

order by count\_of\_votes DESC

/\*6. To find the winning designer \*/

select distinct d.designername as Designer, count\_of\_votes as Votes

from something s join Models m on s.vote = m.modelid join Brands b on m.brandid = b.brandid join Designers d on b.designerid = d.designerid

order by count\_of\_votes desc