



SQL PROJECT RELATIONAL DATABASE CONCERT MEDIA PASS

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1. Introduction

The aim of the project was to examine all the data in relation to Concert media passes and then prepare it, in order to build a database using Oracle SQL. The table names and column names were supplied and hence, the initial steps were to find the relationships between each entity. We do this through the Entity-Relationship diagram. We populate the attributes of the entity and outline the Primary Key and Foreign Keys in each table.

Once the data was prepared, it was then implemented into Oracle SQL. We use create table statements and Insert statements so that the database is prepared and populated. The database with values is now ready for manipulation and data retrieval.

We will be using the following aspects of SQL commands in the document:

Data Manipulation Language (DML) – Insert, Updates, Deletes

Data Description Language (DDL)- Create, Alter, Drop

Select Statements for retrieving data from the database for the required conditions and necessities. We use single table queries, multiple table queries, join queries, summary query, Views.

2. Original Data

3	Concert_Media_Passes	CMP
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Journalists from the newspaper sector of the media are allocated a certain amount of free passes so that they can attend and write articles about concerts they attend. A DB is required to store details about the journalists, the concerts etc.

Key assumptions: A venue may host many concerts. A Newspaper may employ many journalists. A journalist may obtain many concert passes (*may attend many concerts*). A sponsor may sponsor many concerts.

A venue may hold many concerts and a concert is held at one and only one venue

A journalist may be granted many concert passess and a concert pass is assigned to one and only one journalist

A concert may permit many concert passes and a concert pass applies to one and only one concert

A newspaper may employ many journalists and a journalist is employed by a single newspaper

A sponsor may fund many concerts and is concert will be fiananced by one and only one sponsor

Venue (**Venue_Id**, Name, Address, City, Country, Category (*Indoor, Outdoor*), Type (*All Seater, Terrace, Covered*), Year_Built, Cost, Capacity (*i.e. how many people the venue can hold*), Email, Web_Site)

Journalist (**Journalist_Id**, Forename, Surname, Address, Town, County, Gender, Date_Of_Birth, Qualifications (*BSC, B Comm, BA, B Eng*), Media_Sector (*Print Media, Internet Publications, Television, Radio etc*), Email_Address, Twitter_Username, Annual_Earnings, **Newspaper_Id**)

Concert (**Concert_Id**, Concert_Date, Group (*i.e. name of band or group*), Category (*Pop, Rock, Classical*), Start_Time, Capacity, Expected_Attendance, Actual_Attendance, Ticket_Price, **Venue_Id**, **Sponsor_Id**, Sponsorship_Amount, Atmosphere (*Poor, Good, Superb*))

Newspaper (**Newspaper_Id**, Name, Address, Town, County, Year_Founded, Category (*Tabloid, Broadsheet*), Email, Web_Site_Address, Annual_Turnover)

Concert_Pass (**Concert_Id**, **Journalist_Id**, Seat_Number, Privileges (*Access all areas, Tea and Coffee, Hot Food etc.*))

Sponsor (**Sponsor_Id**, Name, Address, Town, County, Tel_No, Web_Site, Business_Type (*Finance, Manufacturing, Media*), Sponsorship_Budget)

Table Names

1. Venue
2. Newspaper
3. Sponsor
4. Concert
5. Journalist
6. Concert_Pass

Table: Venue

Venue_Id

Name

Address

City

Country

Category

Type

Year_Built

Cost

Capacity

Email

Web_Site

Table: Newspaper

Newspaper_Id

Name

Address

Town

County
Year_Founded
Category
Email
Web_Site_Address
Annual_Turnover

Table: Sponsor

Sponsor_Id

Name
Address
Town
County
Tel_No
Web_Site
Business_Type
Sponsorship_Budget

Table: Concert

Concert_Id

Concert_Date
Group
Category
Start_Time
Capacity
Expected_Attendance
Actual_Attendance
Ticket_Price
Venue_Id
Sponsor_Id

Sponsorship_Amount
Atmosphere

Table: Journalist

Journalist_Id

Forename

Surname

Address

Town

County

Gender

Date_Of_Birth

Qualifications

Media_Sector

Email_Address

Twitter_Username

Annual_Earnings

Newspaper_Id

Table: Concert_Pass

Concert_Id

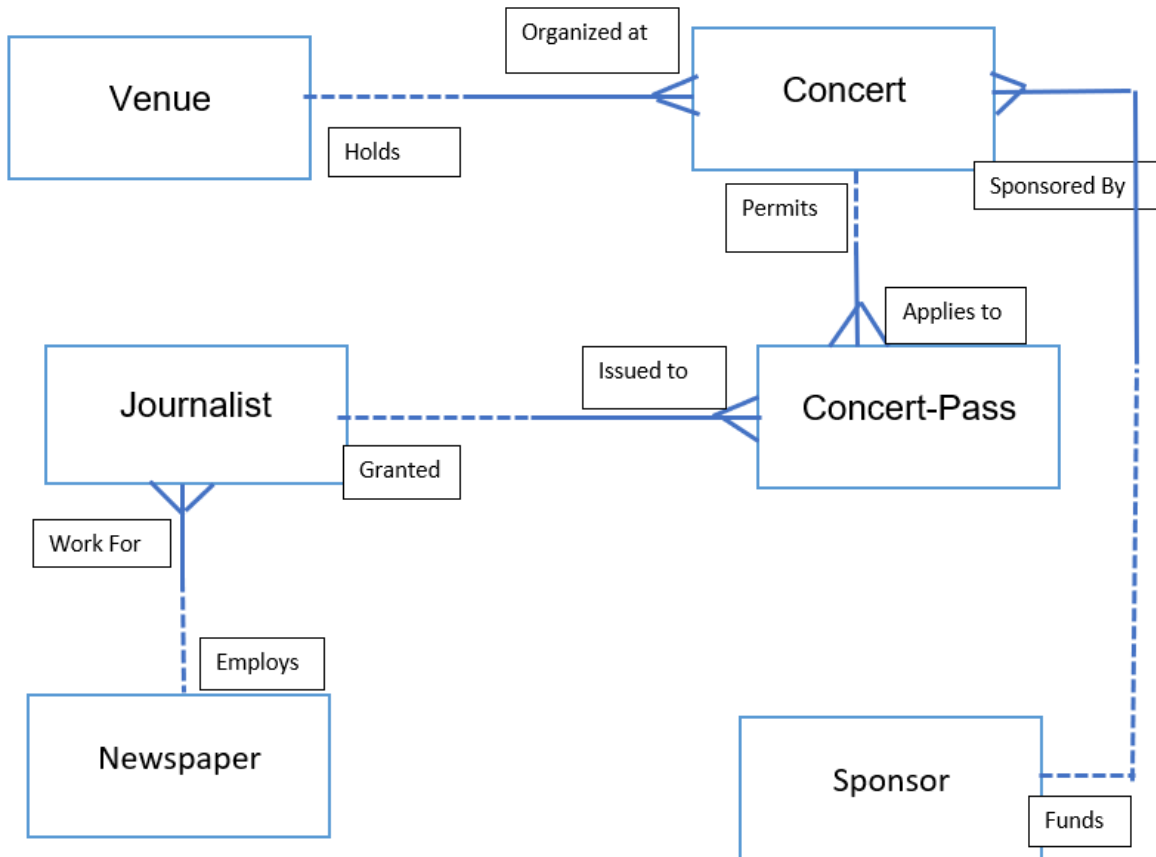
Journalist_Id

Seat_Number

Privileges

The underlined attributes are primary keys.

3. Entity-Relationship Diagram



4. Create Table Statements

Drop Table Venue;

Drop Table Concert;

Drop Table Journalist;

Drop Table Concert Pass;

Drop Table Newspaper;

Drop Table Sponsor;

Create Table Venue (

Venue_Id Number(2) Not Null,

Name Varchar2(28) Not Null,

Address Varchar2(22) Not Null,

City Varchar2(14) Not Null,

Country Varchar2(7) Not Null,

Category Varchar2(7) Not Null,

Type Varchar2(10) Not Null,

Year_Built Varchar2(4) Not Null,

Cost Number(9,2) Not Null,

Capacity Number(4) Not Null,

Email Varchar2(28) Not Null,

Web_Site Varchar2(73) Not Null,

Constraint Venue_Venue_Id_Pk Primary Key(Venue_Id),

Constraint Venue_Category_Ck Check(Category In ('Indoor', 'Outdoor')),

Constraint Venue_Type_Ck Check(Type In ('All Seater', 'Terrace', 'Covered')),

Constraint Venue_Email_Uq Unique(Email),

Constraint Venue_Web_Site_Uq Unique(Web_Site));

Create Table Newspaper(

Newspaper_Id Number(8) Not Null,

Name Varchar2(9) Not Null,

Address Varchar2(11) Not Null,

Town Varchar2(8) Not Null,

County Varchar2(9) Not Null,

Year_Founded Number(4) Not Null,

Category Varchar2(10) Not Null,

Email Varchar2(28) Not Null,

Web_Site_Address Varchar2(60) Not Null,

Annual_Turnover Decimal(7,2) Not Null,

Constraint Newspaper_Newspaper_Id_Pk Primary Key(Newspaper_Id),

Constraint Newspaper_Category_Ck Check(Category In ('Tabloid','Broadsheet')),

Constraint Newspaper_Email_Uq Unique(Email),

Constraint Newspaper_Web_Site_Address_Uq Unique(Web_Site_Address));

Create Table Sponsor(

Sponsor_Id Number(4) Not Null,

Name Varchar2(18) Not Null,

Address Varchar2(19) Not Null,

Town Varchar2(7) Not Null,

County Varchar2(9) Not Null,

Tel_No Number(10) Not Null,

Web_Site Varchar2(66) Not Null,

Business_Type Varchar2(13) Not Null,

Sponsorship_Budget Number(5) Not Null,

Constraint Sponsor_Sponsor_Id_Pk Primary Key(Sponsor_Id),

Constraint Sponsor_Tel_No_Uq Unique(Tel_No),
Constraint Sponsor_Web_Site_Uq Unique(Web_Site),
Constraint Sponsor_Business_Type_Ck Check(Business_Type In ('Finance',
'Manufacturing', 'Media')));

Create Table Journalist(
Journalist_Id Number(9) Not Null,
Forename Varchar2(12) Not Null,
Surname Varchar2(11) Not Null,
Address Varchar2(22) Not Null,
Town Varchar2(8) Not Null,
County Varchar2(11) Not Null,
Gender Varchar2(6) Not Null,
Date_Of_Birth Date Not Null,
Qualifications Varchar2(6) Not Null,
Media_Sector Varchar2(21) Not Null,
Email_Address Varchar2(26) Not Null,
Twitter_Username Varchar2(13) Not Null,
Annual_Earnings Decimal(9,2) Not Null,
Newspaper_Id Number(8) Not Null,
Constraint Journalist_Journalist_Id_Pk Primary Key(Journalist_Id),
Constraint Journalist_Gender_Ck Check(Gender In ('Male', 'Female'),
Constraint Journalist_Qualifications_Ck Check(Qualifications In ('BSC', 'B Comm',
'BA', 'B Eng'))),
Constraint Journalist_Media_Sector_Ck Check(Media_Sector In ('Print Media',
'Internet Publications', 'Television', 'Radio', 'Podcast'))),
Constraint Journalist_Email_Address_Uq Unique(Email_Address),
Constraint Journalist_Twitter_Username_Uq Unique(Twitter_Username),
Constraint Journalist_Newspaper_Id_Fk Foreign Key(Newspaper_Id) References
Newspaper(Newspaper_Id));

```

Create Table Concert(
Concert_Id Number(3) Not Null,
Concert_Date Date Not Null,
Group_Name Varchar2(15) Not Null,
Category Varchar2(9) Not Null,
Start_Time Varchar2(5) Not Null,
Capacity Number(4) Not Null,
Expected_Attendance Number(4) Not Null,
Actual_Attendance Number(4) Not Null,
Ticket_Price Number(4,2),
Venue_Id Number(2),
Sponsor_Id Number(4),
Sponsorship_Amount Number(8,2),
Atmosphere Varchar2(6),
Constraint Concert_Concert_Id_Pk Primary Key(Concert_Id),
Constraint Concert_Category_Ck Check(Category In ('Pop', 'Rock', 'Classical')),
Constraint Concert_Venue_Id_Fk Foreign Key(Venue_Id) References
Venue(Venue_Id),
Constraint Concert_Sponsor_Id_Fk Foreign Key(Sponsor_Id) References
Sponsor(Sponsor_Id),
Constraint Concert_Atmosphere_Ck Check(Atmosphere In ('Poor', 'Good',
'Superb')));

```

```

Create Table Concert_Pass(
Concert_Id Number(3) Not Null,
Journalist_Id Number(9) Not Null,
Seat_Number Varchar2(3) Not Null,
Priviledges Varchar2(15) Not Null,
Constraint Concert_Pass_ConJourn_Id_Pk Primary Key(Concert_Id,Journalist_Id),
Constraint Concert_Pass_Seat_Number_Uq Unique(Seat_Number),

```

Constraint Concert_Journalist_Id_Fk Foreign Key(Journalist_Id) References
Journalist(Journalist_Id));

5. Insert Statements

/* Table: Venue */

/* Venue_Id,Name,Address,City,Country,Category,Type,Year_Built, Cost
,Capacity,Email,Web_Site */

Insert into Venue values(1,'Douglas Brakus','78 Kingsford
Terrace','Kinnegad','Ireland','Outdoor','All
Seater',1993,7337351.00,8000,'rslegg0@flavors.me','http://sogou.com/ipsum/praese
nt/blandit/lacinia/erat/vestibulum.aspx?');

Insert into Venue values(2,'Jerde, Rosenbaum and Moen','47 Spaight
Road','Ashford','Ireland','Indoor','Terrace',1996,8555789.00,5000,'nohagirtie1@patch
.com','http://samsung.com/elementum/nullam/varius/nulla/facilisi/cras.jpg?');

Insert into Venue values(3,'Reichert-Hayes','555 Holmberg
Drive','Ballyjamesduff','Ireland','Indoor','Terrace',1999,4911065.00,6000,'bmacknight
2@friendfeed.com','https://statcounter.com/amet/nulla/quisque.xml?');

Insert into Venue values(4,'Leffler, Schmeler and Parker','3676 Rockefeller
Drive','Ardee','Ireland','Outdoor','Terrace',2013,950535.00,6000,'nworthy3@chronoe
ngine.com','https://friendfeed.com/in.aspx?');

Insert into Venue values(5,'Ratke-Denesik','6 Porter
Road','Clondalkin','Ireland','Outdoor','Covered',1990,4576545.00,6000,'sscholtz4@m
ultiply.com','http://tripadvisor.com/vivamus/vestibulum/sagittis/sapien/cum/sociis.png
?');

Insert into Venue values(6,'Runolfsdottir LLC','711 Pierstorff
Avenue','Sallins','Ireland','Outdoor','Covered',1996,7392883.00,7000,'cthursfield5@y
outu.be','https://ycombinator.com/metus.aspx?');

Insert into Venue values(7,'Rogahn, Lind and Jerde','319 New Castle
Point','Gorey','Ireland','Outdoor','Terrace',1997,1857729.00,7500,'seste6@netlog.co
m','https://nyu.edu/urna.jsp?');

Insert into Venue values(8,'Flatley, Davis and Kertzmann','978 Grasskamp
Point','Carrigtwohill','Ireland','Outdoor','Terrace',2003,4652687.00,8000,'kspaven7@
geocities.com','https://prlog.org/morbi/sem/mauris/laoreet/ut/rhoncus.jpg?');

Insert into Venue values(9,'Satterfield-Grady','9 Banding
Way','Granard','Ireland','Outdoor','Terrace',2002,5866156.00,5050,'wcroose8@wund
erground.com','http://ask.com/et/ultrices/posuere/cubilia.html?');

Insert into Venue values(10,'Veum, Parisian and Kuvalis','5426 Vera Place','Tullyallen','Ireland','Outdoor','Covered',2009,8633599.00,5000,'amachoste9@earthlink.net','http://sphinn.com/pede/venenatis.aspx?');

Insert into Venue values(11,'Blick, Herman and Schumm','2 Hermina Plaza','Tullamore','Ireland','Indoor','Covered',1992,2339242.00,6500,'rmeralia@deliciousdays.com','https://ustream.tv/ante/vel/ipsum/praesent/blandit/lacinia.jsp?');

Insert into Venue values(12,'Ondricka LLC','95761 Hayes Plaza','Cluain Meala','Ireland','Indoor','All Seater',1984,3119459.00,7600,'rkratesb@pen.io','https://chron.com/consectetuer/adipiscing/elit/proin/interdum.js?');

Insert into Venue values(13,'Haley-Feeney','53 Oak Plaza','Laoghaire','Ireland','Indoor','All Seater',2006,9599903.00,8100,'rtattonc@addtoany.com','http://blogtalkradio.com/macecnas/pulvinar/lobortis/est/phasellus.jsp?');

Insert into Venue values(14,'Roob, Treutel and Smith','7167 Lakewood Lane','Macroom','Ireland','Indoor','All Seater',2012,3282001.00,6000,'bcayzerd@google.com','http://list-manage.com/vestibulum/ante/ipsum/primis/in/faucibus.xml?');

Insert into Venue values(15,'Koepp Inc','46861 Grover Place','Cloyne','Ireland','Outdoor','Terrace',2012,2740611.00,7000,'lbiskupeke@apple.com','https://answers.com/massa/quis/augue/luctus/tincidunt/nulla/mollis.jpg?');

Insert into Venue values(16,'Williamson and Sons','08610 Macpherson Place','Cork','Ireland','Indoor','Terrace',2002,5246363.00,8900,'tcattof@narod.ru','https://exblog.jp/in.jsp?');

Insert into Venue values(17,'Terry-Harris','569 Lawn Hill','Cluain Meala','Ireland','Outdoor','All Seater',2006,1983072.00,7700,'blinceyg@soup.io','http://shinystat.com/posuere.js?');

Insert into Venue values(18,'Parker-Boyer','1 Barby Way','Laoghaire','Ireland','Outdoor','Covered',1996,8927549.00,9000,'cespinheirah@dagondesign.com','http://forbes.com/at/vulputate/vitae/nisl/aenean.png?');

Insert into Venue values(19,'Wilderman Group','89420 Mayer Hill','Piltown','Ireland','Outdoor','All Seater',1984,2330796.00,4500,'bshafieri@webeden.co.uk','http://csmonitor.com/ac/diam.json?');

Insert into Venue values(20,'Wehner-Wolf','9658 Browning Hill','Mullagh','Ireland','Indoor','Terrace',1992,8249974.00,7000,'bbecklesj@oakley.com','https://google.com.au/in/felis/donec/semper/sapien/a/libero.js?');

/*Table: Newspaper */

/*

Newspaper_Id,Name,Address,Town,County,Year_Founded,Category,Email,Web_Site_Address, Annual_Turnover */

Insert into Newspaper Values (46906910, 'Holdlamis', 'Fairfield', 'Athlone', 'Cavan',1972, 'Broadsheet', 'bfowler0@dagondesign.com', 'https://furl.net/cras/pellentesque/volutpat/dui/maecenas.png', 29793.59)

Insert into Newspaper Values (98082914, 'Alpha', 'Sommers', 'Arvagh', 'Clare',2009, 'Tabloid', 'rtolomio1@cocolog-nifty.com', 'http://chronoengine.com/vestibulum/ante/ipsa/primis/in.json',74,724.97)

Insert into Newspaper Values (62415463, 'Span', 'Westport', 'Waterloo', 'Cavan',2009, 'Tabloid', 'grelfe2@hibu.com', 'http://whitehouse.gov/eleifend/luctus/ultrices.jpg',46,138.59)

Insert into Newspaper Values (25285988, 'Sub-Ex', 'Merchant', 'Ardue', 'Westmeath',2008, 'Tabloid', 'Iskule3@woothemes.com', 'https://dagondesign.com/lectus/aliquam.js', 84,265.89)

Insert into Newspaper Values (44564546, 'Konklux', 'Briar Crest', 'Waterloo', 'Cavan',1996, 'Broadsheet', 'ntrodler4@earthlink.net', 'http://scientificamerican.com/quis/turpis/sed.xml',40,196.77)

/*Table: Sponsor */

/*

Sponsor_Id,Name,Address,Town,County,Tel_No,Web_Site,Business_Type,Sponsorship_Budget */

Insert Into Sponsor Values (4151, 'Carolee Ludwell', '5 Warner Parkway', 'Athlone', 'Clare',805603204, 'https://abc.net.au/luctus/nec/molestie/sed.aspx', 'Finance',62834);

Insert Into Sponsor Values (4941, 'Catherine Batstone', '8 Scoville Drive', 'Ardue', 'Westmeath',869186672, 'https://boston.com/justo/in/hac/habitasse.js', 'Media',85922);

Insert Into Sponsor Values (6184, 'Patton Palombi', '50 Gerald Way', 'Annagh', 'Westmeath',818654231, 'https://bizjournals.com/odio.html', 'Finance',20704);

Insert Into Sponsor Values (2067, 'Lorant Caso', '4768 Mayer Trail', 'Ardue', 'Westmeath',872941844, 'http://sourceforge.net/in/felis/eu/sapien/cursus/vestibul/proin.js', 'Manufacturing',24423);

Insert Into Sponsor Values (2214, 'Eleanore Bunkle', '192 Farmco Crossing',
'Abbey', 'Cavan', 893867305, 'https://cpanel.net/sapien/ut/nunc/vestibulum/ante.html',
'Finance', 17730);

Insert Into Sponsor Values (8420, 'Arabelle Jonas', '15 Oak Valley Road', 'Athlone',
'Clare', 818289233, 'http://irs.gov/nam/dui.json', 'Media', 95810);

/* Table: Journalist */

/*

Journalist_Id, Forename, Surname, Address, Town, County, Gender, Date_Of_Birth, Qual
ifications, Media_Sector, Email_Address, Twitter_Username, Annual_Earnings
, Newspaper_Id */

Insert Into Journalist Values (691862500, 'Almeda, Hawsby', '0 Spenser Trail',
'Waterloo', 'Carlow', 'Female', '12-Nov-1985', 'BSC', 'Television',
'ahawsby0@gnu.org', 'ahawsby0', 3866296.00, 98082914);

Insert Into Journalist Values (852895539, 'Maud', 'Moggie', '65 Moose Center',
'Annagh', 'Cavan', 'Female', '16-Sep-1978', 'B Eng', 'Podcast',
'mmoggie1@google.co.jp', 'mmoggie1', 8129006.00, 98082914);

Insert Into Journalist Values (292352602, 'Dulsea', 'Kneeshaw', '3 Longview Plaza',
'Annagh', 'Clare', 'Female', '18-Dec-1985', 'BA', 'Television',
'dkneeshaw2@trellian.com', 'dkneeshaw2', 3984386.00, 46906910);

Insert Into Journalist Values (270447263, 'Rivkah', 'Berrey', '9 Porter Center',
'Abbey', 'Carlow', 'Female', '10-Nov-1975', 'BA', 'Podcast', 'rberrey3@1und1.de',
'rberrey3', 5416478.00, 98082914);

Insert Into Journalist Values (238872863, 'Wilburt', 'Varfolomeev', '8 Elka Court',
'Ardue', 'Clare', 'Male', '02-Mar-1980', 'BA', 'Podcast', 'wvarfolomeev4@census.gov',
'wvarfolomeev4', 4280258.00, 98082914);

Insert Into Journalist Values (509657010, 'Charita', 'Yarrall', '88861 Mesta Junction',
'Abbey', 'Clare', 'Female', '06-Nov-1990', 'BA', 'Internet Publications',
'cyarrall5@goo.gl', 'cyarrall5', 3938256.00, 62415463);

Insert Into Journalist Values (957111491, 'Cullin', 'Lawerence', '32726 Reindahl Trail', 'Ardue', 'Clare', 'Male', '22-Feb-1978', 'BA', 'Podcast', 'clawerence6@ehow.com', 'clawerence6', 7530658.00, 46906910);

Insert Into Journalist Values (826296466, 'Tori', 'Swyer-Sexey', '339 Village Center', 'Abbey', 'Cavan', 'Female', '22-Jun-1985', 'B Eng', 'Print Media', 'tswyersexey7@woothemes.com', 'tswyersexey7', 8033013.00, 98082914);

Insert Into Journalist Values (638412146, 'Francyne', 'Glasscoo', '7 Waubesa Parkway', 'Abbey', 'Cork County', 'Female', '04-Oct-1988', 'B Comm', 'Radio', 'fglasscoo8@unesco.org', 'fglasscoo8', 928926.00, 46906910);

Insert Into Journalist Values (225303004, 'Rusty', 'Bilney', '96 Forest Junction', 'Abbey', 'Clare', 'Male', '25-May-1977', 'B Comm', 'Print Media', 'rbilney9@tinyurl.com', 'rbilney9', 6731047.00, 98082914);

Insert Into Journalist Values (736615345, 'Maurine', 'Paty', '50568 Roxbury Way', 'Ardue', 'Cavan', 'Female', '19-Dec-1988', 'BSC', 'Internet Publications', 'mpatya@com.com', 'mpatya', 7113523.00, 25285988);

Insert Into Journalist Values (483356405, 'Sim', 'Burchell', '4 Boyd Point', 'Ardue', 'Clare', 'Male', '13-Mar-1976', 'BSC', 'Podcast', 'sburchellb@pinterest.com', 'sburchellb', 6334460.00, 25285988);

Insert Into Journalist Values (361944481, 'Josy', 'Splaven', '62256 Schlimgen Circle', 'Annagh', 'Carlow', 'Female', '19-Jun-1977', 'BSC', 'Television', 'jsplavenc@dropbox.com', 'jsplavenc', 4977470.00, 25285988);

Insert Into Journalist Values (873437823, 'Abdul', 'Robertshaw', '30 Sundown Circle', 'Waterloo', 'Clare', 'Male', '14-Jul-1984', 'BA', 'Television', 'arobertshawd@blogs.com', 'arobertshawd', 439629.00, 25285988);

Insert Into Journalist Values (919661524, 'Bartholomeus', 'Culleford', '36 Doe Crossing Lane', 'Annagh', 'Clare', 'Male', '12-Oct-1986', 'B Comm', 'Television', 'bculleforde@parallels.com', 'bculleforde', 1566047.00, 62415463);

Insert Into Journalist Values (417808835, 'Vivi', 'Camel', '3 American Road', 'Waterloo', 'Cork County', 'Female', '30-Sep-1977', 'BA', 'Radio', 'vcamelf@eepurl.com', 'vcamelf', 8279761.00, 25285988);

Insert Into Journalist Values (292680833, 'Cly', 'Iliffe', '196 Hermina Way', 'Abbey', 'Clare', 'Male', '06-May-1983', 'BSC', 'Television', 'ciliffeg@bbc.co.uk', 'ciliffeg', 1968381.00, 25285988);

Insert Into Journalist Values (987045518, 'Ginnifer', 'Poel', '3 Morningstar Center', 'Annagh', 'Cork County', 'Female', '06-Mar-1984', 'BSC', 'Print Media', 'gpoelh@ow.ly', 'gpoelh', 8790224.00, 62415463);

Insert Into Journalist Values (698559806, 'Spike', 'Thursby', '98 Center Crossing', 'Waterloo', 'Clare', 'Male', '01-Jan-1979', 'BSC', 'Podcast', 'sthursbyi@businessinsider.com', 'sthursbyi', 6117027.00, 62415463);

Insert Into Journalist Values (995335072, 'Bink', 'Joseff', '286 Reindahl Park',
'Abbey', 'Clare', 'Male', '05-Apr-1983', 'BA', 'Television', 'bjoseffj@opera.com',
'bjoseffj', 8005064.00, 62415463);

/* Table: Concert */

/*Consert_Id,Concert_Date,Group,Category,Start_Time,Capacity,Expected_Attendance,Actual_Attendance,Ticket_Price,Venue_Id,Sponsor_Id, Sponsorship_Amount
,Atmosphere*/

Insert Into Concert Values(423, '27-Oct-2018', 'Superfate', 'Rock',
'10:44',7096,4360,891,59.5,1,4941, 585634.95, 'Poor');

Insert Into Concert Values(384, '01-Aug-2018', 'Roseum', 'Rock',
'05:41',6860,3376,917,53.85,1,4941, 467032.55, 'Poor');

Insert Into Concert Values(35, '01-May-2018', 'Orphenadrine', 'Rock', '00:37',
7444,3695,3631,51.31,4,8420, 877377.21, 'Good');

Insert Into Concert Values(171, '19-Nov-2019', 'Dipropion Hydro', 'Classical', '20:59',
6848,1108,3432,48.17,5,4151, 169675.18 , 'Superb');

Insert Into Concert Values(773, '27-Nov-2018', 'ConZip', 'Rock',
'14:27',6382,2622,2789,47.97,1,2067, 94425.75 , 'Good');

Insert Into Concert Values(644, '14-Jan-2019',
'Caldecort', 'Rock', '05:28',7774,674,67,49.47,2,2067, 152523.83 , 'Poor');

Insert Into Concert Values(544,'29-Jan-2019', 'Lamotrigine', 'Rock', '04:34',
7914,859,3844,53.51,16,6184, 122332.18 , 'Superb');

Insert Into Concert Values(444,'30-Mar-2019', 'sunmark', 'Classical',
'13:41',6032,2781,3443,43.6,19,4941, 26893.61 , 'Poor');

/* Table: Concert_Pass */

/* Concert_Id,Journalist_Id,Seat_Number,Priviledges */

Insert Into Concert_Pass Values (423,691862500, 'Z21', 'Hot Food');

Insert Into Concert_Pass Values (384,691862500, 'W68', 'Drinks');

Insert Into Concert_Pass Values (384,225303004, 'Q04', 'Drinks');

Insert Into Concert_Pass Values (423,957111491, 'U32', 'Access All Area');

Insert Into Concert_Pass Values (384,957111491, 'T93', 'Coffee and Tea');

Insert Into Concert_Pass Values (544,919661524, 'N85', 'Access All Area');

Insert Into Concert_Pass Values (544,691862500, 'V04', 'Hot Food');

Insert Into Concert_Pass Values (423,995335072, 'X32', 'Hot Food');

Insert Into Concert_Pass Values (423,225303004, 'I45', 'Drinks');

Insert Into Concert_Pass Values (423,987045518, 'P88', 'Access All Area');

Insert Into Concert_Pass Values (171,691862500, 'E75', 'Coffee and Tea');

Insert Into Concert_Pass Values (384,270447263, 'U13', 'Access All Area');

Insert Into Concert_Pass Values (444,987045518, 'Y28', 'Drinks');

Insert Into Concert_Pass Values (171,270447263, 'J57', 'Hot Food');

Insert Into Concert_Pass Values (171,225303004, 'W93', 'Access All Area');

Insert Into Concert_Pass Values (171,417808835, 'H43', 'Drinks');

Insert Into Concert_Pass Values (644,225303004, 'W92', 'Hot Food');

Insert Into Concert_Pass Values (444,270447263, 'G78', 'Access All Area');

Insert Into Concert_Pass Values (444,225303004, 'J97', 'Access All Area');

Insert Into Concert_Pass Values (644,957111491, 'P60', 'Hot Food');

Insert Into Concert_Pass Values (171,361944481, 'G88', 'Drinks');

Insert Into Concert_Pass Values (444,361944481, 'Q36', 'Coffee and Tea');

Insert Into Concert_Pass Values (644,987045518, 'W22', 'Access All Area');

Insert Into Concert_Pass Values (644,698559806, 'N56', 'Access All Area');

Insert Into Concert_Pass Values (171,957111491, 'C36', 'Hot Food');

6. Tables

i. Venue

RB_03_SQL>Select * From Venue;

VENUE_ID	NAME	ADDRESS	CITY	COUNTRY	CATEGORY	TYPE	YEAR	COST	CAPACITY	EMAIL	WEB_SITE
1	Douglas Brakus	78 Kingsford Terrace	Kinnegad	Ireland	Outdoor	All Seater	1993	7337351	8000	rslegg0@flavors.me	http://sogou.com/ipsu/praesent/blandit/lacinia/erat/
2	Jerde,Rosenbaum and Moen	47 Spaight Road	Ashford	Ireland	Indoor	Terrace	1996	8555789	5000	nohagirtiel@patch.com	http://samsung.com/elementum/nullam/varius/nulla/facilisi/cras.jpg?
3	Reichert Hayes	555 Holmberg Drive	Ballyjamesduff	Ireland	Indoor	Terrace	1999	4911065	6000	bbacknight2@friendfeed.com	https://statcounter.com/amet/nulla/quisque.xml?
4	Leffler,Schmeler and Parker	3676 Rockefeller Drive	Ardee	Ireland	Outdoor	Terrace	2013	950535	6000	mworthy3@chronoengine.com	https://friendfeed.com/in.aspx?
5	Ratke-Denesik	6 Porter Road	Clondalkin	Ireland	Outdoor	Covered	1990	4576545	6000	sscholtz4@multiply.com	http://tripadvisor.com/vivamus/vestibulum/sagittis/sapient/cum/socllis.png?
6	Ruoffsdottir LLC	711 Pierstorff Avenue	Sallins	Ireland	Outdoor	Covered	1996	7392883	7000	cthursfield5@youtu.be	https://ycombinator.com/metus.aspx?
7	Rogahn,Lind and Jerde	319 New Castle Point	Gorey	Ireland	Outdoor	Terrace	1997	1857729	7500	seste6@netlog.com	https://nyu.edu/urna.jsp?
8	Flatley, Davis and Kertzmann	978 Grasskamp Point	Carrigtewohill	Ireland	Outdoor	Terrace	2003	4652687	8000	kspaven7@geocities.com	https://prlog.org/morbi/sem/mauris/laoreet/ut/rhonus.jpg?
9	Satterfield-Grady	9 Banding Way	Granard	Ireland	Outdoor	Terrace	2002	5866156	5050	wcroose0@underground.com	http://ask.com/et/ultrices/posuere/cubilia.html?
10	Veum, Parisian and Kuvalis	5426 Vera Place	Tullyallen	Ireland	Outdoor	Covered	2009	8633599	5000	amachoste@earthlink.net	http://sphinx.com/pede/venenatis.aspx?
11	Blick, Herman and Schumm	2 Hermina Plaza	Tullamore	Ireland	Indoor	Covered	1992	2339242	6500	rmeralia@deliciousdays.com	https://ustream.tv/ante/vel/ipsu/praesent/blandit/lacinia.jsp?
VENUE_ID	NAME	ADDRESS	CITY	COUNTRY	CATEGORY	TYPE	YEAR	COST	CAPACITY	EMAIL	WEB_SITE
12	Ondricka LLC	95761 Hayes Plaza	Cluain Meala	Ireland	Indoor	All Seater	1984	3119459	7600	rkratesb@pen.io	https://chron.com/consectetur/adipiscing/elit/proin/interdum.js?
13	Hayley-Feeney	53 Oak Plaza	Laoghaire	Ireland	Indoor	All Seater	2006	9599903	8100	rtattonc@addtoany.com	http://blogtalkradio.com/maecenas/pulvinar/lobortis/est/phasellus.jsp?
14	Roob, Treutel and Smith	7167 Lakewood Lane	Macroom	Ireland	Indoor	All Seater	2012	3282001	6000	bcayzerd@google.com	http://list-manage.com/vestibulum/ante/ipsu/primis/in/faucibus.xml?
15	Koopp Inc	48861 Grover Place	Cloyne	Ireland	Outdoor	Terrace	2012	2740611	7000	lbiskepeke@apple.com	https://answers.com/massa/quis/augue/luctus/tincidunt/nulla/mollis.jpg?
16	Williamson and Sons	08610 Macpherson Place	Cork	Ireland	Indoor	Terrace	2002	5646363	8900	tcattof@narod.ru	https://exblog.jp/in.jsp?
17	Terry-Harris	569 Lawn Hill	Cluain Meala	Ireland	Outdoor	All Seater	2006	1983072	7700	blinecy@soup.io	http://shinystat.com/posuere.js?
18	Parker-Boyer	1 Barby Way	Laoghaire	Ireland	Outdoor	Covered	1996	8927549	9000	cespinheirah@dagondesign.com	http://forbes.com/at/vulputate/vitae/nisl/aenean.p
19	Wilderman Group	89420 Mayer Hill	Piltown	Ireland	Outdoor	All Seater	1984	2330796	4500	bshafieri@webden.co.uk	http://csmoitor.com/ac/diam.json?
20	Wehner-Wolf	9658 Browning Hill	Mullagh	Ireland	Indoor	Terrace	1992	8249974	7000	bbeckles3@oakley.com	https://google.com.au/in/felis/donec/semper/sapient/a/libero.js?

20 rows selected.

ii. Newspaper

RB_03_SQL>Select * From Newspaper;

NEWSPAPER_ID	NAME	ADDRESS	TOWN	COUNTY	YEAR_FOUNDED	CATEGORY	EMAIL	WEB_SITE	ADDRESS	ANNUAL_TURNOVER
46906910	Holdlamis	Fairfield	Athlone	Cavan	1972	Broadsheet	bflower0@dagondesign.com	https://furl.net/cras/pellentesque/volutpat/dui/maecenas.png		29793.59
98082914	Alpha	Sommers	Arvagh	Clare	2009	Tabloid	rtolomio1@cocolog-nifty.com	http://chronoengine.com/vestibulum/ante/ipsu/primis/in.json		74724.97
62415463	Span	Westport	Waterloo	Cavan	2009	Tabloid	grelfe2@hibu.com	http://whitehouse.gov/eielfend/luctus/ultrices.jpg		46138.59
25285988	Sub-Ex	Merchant	Ardue	Westmeath	2008	Tabloid	lskule3@woothemes.com	https://dagondesign.com/lectus/aliquam.js		84265.89
44564546	Konklux	Briar Crest	Waterloo	Cavan	1996	Broadsheet	ntrodler4@earthlink.net	http://scientificamerican.com/quis/turpis/sed.xml		40196.77

iii. Sponsor

RB_03_SQL>Select *
2 From Sponsor;

SPONSOR_ID	NAME	ADDRESS	TOWN	COUNTY	TEL_NO	WEB_SITE		
		BUSINESS_TYPE					SPONSORSHIP_BUDGET	
4151	Carolee Ludwell	5 Warner Parkway	Athlone	Clare	805603204	https://abc.net.au/luctus/nec/molestie/sed.aspx	Finance	62834
4941	Catherine Batstone	8 Scoville Drive	Ardue	Westmeath	869186672	https://boston.com/justo/in/hac/habitasse.js	Media	85922
6184	Patton Palombi	50 Gerald Way	Annagh	Westmeath	818654231	https://bizjournals.com/odio.html	Finance	20704
2067	Lorant Caso	4768 Mayer Trail	Ardue	Westmeath	872941844	http://sourceforge.net/in/felis/eu/sapient/cursus/vestibul/proin.js	Manufacturing	24423
2214	Eleanore Bunkle	192 Farmco Crossing	Abbey	Cavan	893867305	https://cpanel.net/sapient/ut/nunc/vestibulum/ante.html	Finance	17730
8420	Anabelle Jonas	15 Oak Valley Road	Athlone	Clare	818289233	http://irs.gov/nam/dui.json	Media	95810

6 rows selected.

iv. Journalist

RB_03_SQL>Select *													
2 From Journalist;													
JOURNALIST_ID	FORENAME	SURNAME	ADDRESS	TOWN	COUNTY	GENDER	DATE_OF_B	QUALIF	MEDIA_SECTOR	EMAIL_ADDRESS	TWITTER_USERN	ANNUAL_EARNINGS	NEWSPAPER_ID
691862590	Almeda	Hawshy	0 Spenser Trail	Waterloo	Carlow	Female	12-NOV-85	BSC	Television	ahawshy0@gnu.org	ahawshy0	3866296	98082914
852895539	Maud	Moggie	65 Moose Center	Annagh	Cavan	Female	16-SEP-78	B Eng	Podcast	mmoggie1@google.co.jp	mmoggie1	8129006	98082914
292352602	Dulsea	Kneeshaw	3 Longview Plaza	Annagh	Clare	Female	18-DEC-85	BA	Television	dkneeshaw2@trellian.com	dkneeshaw2	3984386	46906910
270447263	Rivkah	Berrey	9 Porter Center	Abbey	Carlow	Female	10-NOV-75	BA	Podcast	rberrey3@lundi.de	rberrey3	5416478	98082914
238872863	Wilburt	Varfolomeev	8 Elka Court	Ardue	Clare	Male	02-MAR-80	BA	Podcast	vvarfolomeev4@census.gov	vvarfolomeev4	4280258	98082914
509657010	Charita	Yarrall	88861 Mesta Junction	Abbey	Clare	Female	06-NOV-90	BA	Internet Publications	cyarrall15@goo.gl	cyarrall15	3938256	62415463
957111491	Cullin	Lawerence	32726 Reindahl Trail	Ardue	Clare	Male	22-FEB-78	BA	Podcast	clawerence6@ehow.com	clawerence6	7530658	46906910
826296466	Tori	Swyer-Sexey	339 Village Center	Abbey	Cavan	Female	22-JUN-85	B Eng	Print Media	tswyersexey7@woothemes.com	tswyersexey7	8033013	98082914
638412146	Francnye	Glasscoo	7 Maubesa Parkway	Abbey	Cork County	Female	04-OCT-88	B Comm	Radio	fglasscoo8@unesco.org	fglasscoo8	928926	46906910
225303004	Rusty	Bilney	96 Forest Junction	Abbey	Clare	Male	25-MAY-77	B Comm	Print Media	rbilney9@tinyurl.com	rbilney9	6731047	98082914
736615345	Maurine	Paty	50568 Roxbury Way	Ardue	Cavan	Female	19-DEC-88	BSC	Internet Publications	mpaty4@com.com	mpaty4	7113523	25285988
JOURNALIST_ID	FORENAME	SURNAME	ADDRESS	TOWN	COUNTY	GENDER	DATE_OF_B	QUALIF	MEDIA_SECTOR	EMAIL_ADDRESS	TWITTER_USERN	ANNUAL_EARNINGS	NEWSPAPER_ID
483356405	Sim	Burchell	4 Boyd Point	Ardue	Clare	Male	13-MAR-76	BSC	Podcast	sburchellb@pinterest.com	sburchellb	6334460	25285988
361944481	Josy	Splaven	62256 Schlengen Circle	Annagh	Carlow	Female	19-JUN-77	BSC	Television	jsplavenc@dropbox.com	jsplavenc	4977470	25285988
873437823	Abdul	Robertshaw	30 Sundown Circle	Waterloo	Clare	Male	14-JUL-84	BA	Television	arobertshawd@logs.com	arobertshawd	439629	25285988
919661524	Bartholomeus	Culleford	36 Doe Crossing Lane	Annagh	Clare	Male	12-OCT-86	B Comm	Television	bculleforde@parallels.com	bculleforde	1566047	62415463
417808835	Vivi	Camel	3 American Road	Waterloo	Cork County	Female	30-SEP-77	BA	Radio	vcamel@eepurl.com	vcamel	8279761	25285988
292680833	Cly	Iliff	196 Hermina Way	Abbey	Clare	Male	06-MAY-83	BSC	Television	ciliffeg@bbc.co.uk	ciliffeg	1968381	25285988
987045518	Ginnifer	Poel	3 Morningstar Center	Annagh	Cork County	Female	06-MAR-84	BSC	Print Media	gpoelh@ow.ly	gpoelh	8790224	62415463
698559086	Spike	Thursby	98 Center Crossing	Waterloo	Clare	Male	01-JAN-79	BSC	Podcast	sthursby@businessinsider.com	sthursby	6117027	62415463
995335072	Bink	Joseff	286 Reindahl Park	Abbey	Clare	Male	05-APR-83	BA	Television	bjoseffj@opera.com	bjoseffj	8005064	62415463
20 rows selected.													

20 rows selected.

v. Concert

SQL> Select *												
2 From Concert;												
CONCERT_ID	CONCERT_D	GROUP_NAME	CATEGORY	START	CAPACITY	EXPECTED_ATTENDANCE	ACTUAL_ATTENDANCE	TICKET_PRICE	VENUE_ID	SPONSOR_ID	SPONSORSHIP_AMOUNT	ATMOSP
423	27-OCT-18	Superfate	Rock	10:44	7096	4360	891	59.5				
1	4941	585634.95	Poor									
384	01-AUG-18	Roseum	Rock	05:41	6860	3376	917	53.85				
1	4941	467032.55	Poor									
35	01-MAY-18	Orphenadrine	Rock	00:37	7444	3695	3631	51.31				
4	8420	877377.21	Good									
171	19-NOV-19	Dipropion Hydro	Classical	20:59	6848	1108	3432	48.17				
5	4151	169675.18	Superb									
773	27-NOV-18	ConZip	Rock	14:27	6382	2622	2789	47.97				
1	2067	94425.75	Good									
644	14-JAN-19	Caldecort	Rock	05:28	7774	674	67	49.47				
2	2067	152523.83	Poor									
544	29-JAN-19	Lamotrigine	Rock	04:34	7914	859	3844	53.51				
16	6184	122332.18	Superb									
444	30-MAR-19	sunmark	Classical	13:41	6032	2781	3443	43.6				
19	4941	26893.61	Poor									

8 rows selected.

vi. Concert_Pass

```
SQL> Select *
      2 From Concert_Pass;
```

CONCERT_ID	JOURNALIST_ID	SEA	PRIVILEGES
423	691862500	Z21	Hot Food
384	691862500	W68	Drinks
384	225303004	Q04	Drinks
423	957111491	U32	Access All Area
384	957111491	T93	Coffee and Tea
544	919661524	N85	Access All Area
544	691862500	V04	Hot Food
423	995335072	X32	Hot Food
423	225303004	I45	Drinks
423	987045518	P88	Access All Area
171	691862500	E75	Coffee and Tea
384	270447263	U13	Access All Area
444	987045518	Y28	Drinks
171	270447263	J57	Hot Food
171	225303004	W93	Access All Area
171	417808835	H43	Drinks
644	225303004	W92	Hot Food
444	270447263	G78	Access All Area
644	957111491	P60	Hot Food
171	361944481	G88	Drinks
444	361944481	Q36	Coffee and Tea
644	987045518	W22	Access All Area
644	698559806	N56	Access All Area
171	957111491	C36	Hot Food

24 rows selected.

7. Queries

1. Retrieve the Venue name, Address, Category, and type of venue, sponsored by Lorant Caso, for the concert of ConZip. Also display the concert category, start time and how the atmosphere is.

Solution:

Select V.Name, V.Address, V. Category, V.Type, C.Group_Name, C.Category, C.Start_Time, C.Atmosphere

From Venue V, Sponsor S, Concert C

Where V.Venue_Id = C.Venue_Id

And C.Sponsor_Id = S.Sponsor_Id

And S.Name = 'Lorant Caso'

And C.Group_Name = 'ConZip';

```
SQL> Select V.Name, V.Address, V. Category, V.Type, C.Group_Name, C.Category, C.Start_Time, C.Atmosphere
2  From Venue V, Sponsor S, Concert C
3  Where V.Venue_Id = C.Venue_Id
4  And C.Sponsor_Id = S.Sponsor_Id
5  And S.Name = 'Lorant Caso'
6  And C.Group_Name = 'ConZip';
```

NAME	ADDRESS	CATEGOR	TYPE	GROUP_NAME	CATEGORY	START	ATMOSP
Douglas Brakus	78 Kingsford Terrace	Outdoor	All Seater	ConZip	Rock	14:27	Good

2. What is the maximum ticket price for a concert? Also, what is the capacity of the concert and how many people actually attended the concert.?

Solution:

Select Ticket_Price, Capacity, Actual_Attendance

From Concert

Where Ticket_Price =

(Select Max(Ticket_Price)

From Concert);

```
SQL> Select Ticket_Price,Capacity, Actual_Attendance
2 From Concert
3 Where Ticket_Price =
4 (Select Max(Ticket_Price)
5 From Concert);
```

TICKET_PRICE	CAPACITY	ACTUAL_ATTENDANCE
59.5	7096	891

3. Display name, qualifications and media sector of the journalists, along with their seat numbers for Superfate concert or a sunmark concert.

Solution:

```
Select J.Forename, J.Surname, J.Qualification, J.Media_Sector, CP.Seat_Number
From Journalist J, Concert C, Concert_Pass CP
Where J.Journalist_Id = CP.Journalist_Id
And C.Concert_Id = CP.Concert_Id
And C.Group_Name In ('Superfate', 'sunmark');
```

```
SQL> Select J.Forename, J.Surname, J.Qualifications, J.Media_Sector, CP.Seat_Number
2 From Journalist J, Concert C, Concert_Pass CP
3 Where J.Journalist_Id = CP.Journalist_Id
4 And C.Concert_Id = CP.Concert_Id
5 And C.Group_Name In ('Superfate', 'sunmark');
```

FORENAME	SURNAME	QUALIF	MEDIA_SECTOR	SEA
Rivkah	Berrey	BA	Podcast	G78
Rusty	Bilney	B Comm	Print Media	I45
Ginnifer	Poel	BSC	Print Media	P88
Josy	Splaven	BSC	Television	Q36
Cullin	Lawerence	BA	Podcast	U32
Bink	Joseff	BA	Television	X32
Ginnifer	Poel	BSC	Print Media	Y28
Almeda	Hawsby	BSC	Television	Z21

8 rows selected.

4. Display the Journalist name, Media sector, Newspaper name whose Annual turnover is greater than the average annual turnover, where the sector is tabloid.

Solution:

```
Select J.Forename, J.Surname, J.Media_Sector, N.Name
From Newspaper N, Journalist J
Where J.Newspaper_Id = N.Newspaper_Id
And J.Media_Sector =
And N.Annual_Turnover >
      (Select Avg(N.Annual_Turnover)
      From Newspaper N);
```

```
SQL> Select J.Forename, J.Surname, J.Media_Sector, N.Name
  2  From Newspaper N, Journalist J
  3  Where J.Newspaper_Id = N.Newspaper_Id
  4  And J.Media_Sector = 'Tabloid'
  5  And N.Annual_Turnover >
  6  (Select Avg(N.Annual_Turnover)
  7  From Newspaper N);
```

no rows selected

```
SQL> Select Avg(N.Annual_Turnover)
  2  From Newspaper N
  3  ;
```

```
AVG(N.ANNUAL_TURNOVER)
-----
                55023.962
```

```
SQL> Select J.Forename, J.Surname, J.Media_Sector, N.Name
  2  From Newspaper N, Journalist J
  3  Where J.Newspaper_Id = N.Newspaper_Id
  4  And J.Media_Sector = 'Tabloid'
  5  And N.Annual_Turnover > 55023.962;
```

no rows selected

5. Display the names and qualifications of every Journalist who either works for a newspaper or not.

Select J.Forename, J.Surname, J.Qualifications, N.Name

From Newspaper N, Journalist J

Where N.Newspaper_Id = J.Newspaper_Id(+);

```
SQL> Select J.Forename, J.Surname, J.Qualifications, N.Name
  2  From Newspaper N, Journalist J
  3  Where N.Newspaper_Id = J.Newspaper_Id(+);
```

FORENAME	SURNAME	QUALIF	NAME
Almeda	Hawsby	BSC	Alpha
Maud	Moggie	B Eng	Alpha
Dulsea	Kneeshaw	BA	Holdlamis
Rivkah	Berrey	BA	Alpha
Wilburt	Varfolomeev	BA	Alpha
Charita	Yarrall	BA	Span
Cullin	Lawerence	BA	Holdlamis
Tori	Swyer-Sexey	B Eng	Alpha
Francyne	Glasscoo	B Comm	Holdlamis
Rusty	Bilney	B Comm	Alpha
Maurine	Paty	BSC	Sub-Ex
Sim	Burchell	BSC	Sub-Ex
Josy	Splaven	BSC	Sub-Ex
Abdul	Robertshaw	BA	Sub-Ex
Bartholomeus	Culleford	B Comm	Span
Vivi	Camel	BA	Sub-Ex
Cly	Iliffe	BSC	Sub-Ex
Ginnifer	Poel	BSC	Span
Spike	Thursby	BSC	Span
Bink	Joseff	BA	Span
			Konklux

21 rows selected.

6. Display the concert name, ticket price and date for which the sponsorship amount is greater than the combined of sponsored amount for the concert by the sponsors.

```
Select C.Group_Name, C.Ticket_Price, C.Concert_Date, C.Sponsorship_Amount  
From Sponsor S, Concert C  
Where C.Sponsor_Id = S.Sponsor_Id  
And C.Sponsorship_Amount >  
      (Select Sum(S.Sponsorship_Budget)  
       From Sponsor S);
```

```
SQL> Select C.Group_Name, C.Ticket_Price, C.Concert_Date, C.Sponsorship_Amount  
2  From Sponsor S, Concert C  
3  Where C.Sponsor_Id = S.Sponsor_Id  
4  And C.Sponsorship_Amount >  
5  (Select Sum(S.Sponsorship_Budget)  
6  From Sponsor S);
```

GROUP_NAME	TICKET_PRICE	CONCERT_D	SPONSORSHIP_AMOUNT
Superfate	59.5	27-OCT-18	585634.95
Roseum	53.85	01-AUG-18	467032.55
Orphenadrine	51.31	01-MAY-18	877377.21

7. Display the name, city, country, type and cost, where the type of venue is not All seater and the cost for the functioning of the venue is greater than at least one sponsorship amount by some sponsors.

```
SQL> Select Name, City, Country, Type, Cost
2 From Venue
3 Where Type <> 'All Seater'
4 And Cost > Any
5   (Select Sponsorship_Amount
6     From Concert);
```

NAME	CITY	COUNTRY	TYPE	COST
Parker-Boyer	Laoghaire	Ireland	Covered	8927549
Veum, Parisian and Kuvalis	Tullyallen	Ireland	Covered	8633599
Jerde,Rosenbaum and Moen	Ashford	Ireland	Terrace	8555789
Wehner-Wolf	Mullagh	Ireland	Terrace	8249974
Runolfsdottir LLC	Sallins	Ireland	Covered	7392883
Satterfield-Grady	Granard	Ireland	Terrace	5866156
Williamson and Sons	Cork	Ireland	Terrace	5646363
Reichert Hayes	Ballyjamesduff	Ireland	Terrace	4911065
Flatley, Davis and Kertzmann	Carrigtwohill	Ireland	Terrace	4652687
Ratke-Denesik	Clondalkin	Ireland	Covered	4576545
Koepp Inc	Cloyne	Ireland	Terrace	2740611
Blick, Herman and Schumm	Tullamore	Ireland	Covered	2339242
Rogahn,Lind and Jerde	Gorey	Ireland	Terrace	1857729
Leffler,Schmeler and Parker	Ardee	Ireland	Terrace	950535

14 rows selected.

8. Display the name, the city, country , type and cost of functioning venue where the type of venue is not terrace and the cost is greater than all the sponsorship amount required for the functioning of the concert.

```
SQL> Select Name, City, Country, Type, Cost
2 From Venue
3 Where Type <> 'Terrace'
4 And Cost > All
5   (Select Sponsorship_Amount
6     From Concert);
```

NAME	CITY	COUNTRY	TYPE	COST
Terry-Harris	Cluain Meala	Ireland	All Seater	1983072
Wilderman Group	Piltown	Ireland	All Seater	2330796
Blick, Herman and Schumm	Tullamore	Ireland	Covered	2339242
Ondricka LLC	Cluain Meala	Ireland	All Seater	3119459
Roob, Treutel and Smith	Macroon	Ireland	All Seater	3282001
Ratke-Denesik	Clondalkin	Ireland	Covered	4576545
Douglas Brakus	Kinnegad	Ireland	All Seater	7337351
Runolfsdottir LLC	Sallins	Ireland	Covered	7392883
Veum, Parisian and Kuvalis	Tullyallen	Ireland	Covered	8633599
Parker-Boyer	Laoghaire	Ireland	Covered	8927549
Haley-Feeney	Laoghaire	Ireland	All Seater	9599903

11 rows selected.

9. Update the Atmosphere values to 'Dull' if the sponsorship amount for the concert is greater than all the combined sponsorship budget by all the sponsors.

Update Table Concert

Set Concert.Atmosphere = 'Dull'

Where Sponsorship_Amount <

(Select Sum(Sponsorship_Budget)

From Sponsor);

```
SQL> Update Concert
  2 Set Atmosphere = 'Dull'
  3 Where Sponsorship_Amount <
  4 (Select Sum(Sponsorship_Budget)
  5 From Sponsor);
```

Update Concert

*

ERROR at line 1:

ORA-02290: check constraint (STUDENT3.CONCERT_ATMOSPHERE_CK) violated

```
SQL> Alter Table Concert Drop Constraint Concert_Atmosphere_Ck;
```

Table altered.

```
SQL> Update Concert
  2 Set Atmosphere = 'Dull'
  3 Where Sponsorship_Amount <
  4 (Select Sum(Sponsorship_Budget)
  5 From Sponsor);

5 rows updated.
```

```
SQL> Select *
  2 From Concert;
```

CONCERT_ID	CONCERT_D	GROUP_NAME	CATEGORY	START	CAPACITY	EXPECTED_ATTENDANCE	ACTUAL_ATTENDANCE	TICKET_PRICE	VENUE_ID	SPONSOR_ID	SPONSORSHIP_AMOUNT	ATMOSP
423	27-OCT-18	Superfate	Rock	10:44	7096	4360	891	59.5	1	4941	585634.95	Poor
384	01-AUG-18	Roseum	Rock	05:41	6860	3376	917	53.85	1	4941	467032.55	Poor
35	01-MAY-18	Orphenadrine	Rock	00:37	7444	3695	3631	51.31	4	8420	877377.21	Good
171	19-NOV-19	Dipropion Hydro	Classical	20:59	6848	1108	3432	48.17	5	4151	169675.18	Dull
773	27-NOV-18	ConZip	Rock	14:27	6382	2622	2789	47.97	1	2067	94425.75	Dull
644	14-JAN-19	Caldecort	Rock	05:28	7774	674	67	49.47	2	2067	152523.83	Dull
544	29-JAN-19	Lamotrigine	Rock	04:34	7914	859	3844	53.51	16	6184	122332.18	Dull
444	30-MAR-19	sunmark	Classical	13:41	6032	2781	3443	43.6	19	4941	26893.61	Dull

8 rows selected.

10. Create a view for journalist name, address and category who works for a newspaper company containing 'nk'.

Create View Newspaper_Journalist As

Select J.Forename, J.Surname, J.Address, N.Category

From Newspaper N, Journalist J

Where J.Newspaper_Id = N.Newspaper_Id

And N.Name Like '%nk%';

```
SQL> Create View Newspaper_Journalist As
  2 Select J.Forename, J.Surname, J.Address, N.Category
  3 From Newspaper N, Journalist J
  4 Where J.Newspaper_Id = N.Newspaper_Id
  5 And N.Name Like '%nk%';
```

View created.

```
SQL> Select *
  2 From Newspaper_Journalist;
```

no rows selected

11. Grant manipulation permissions to two other users.

```
SQL> Grant Insert, Update, Delete on Venue to Student4;
```

```
Grant succeeded.
```

```
SQL> Grant Insert, Update on Journalist to Student2;
```

```
Grant succeeded.
```