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A00268832  MSc In Data Analytics, AIT

SQL Project

Relational Database

Concert Media pass

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# 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.

# Original Data

|  |  |  |
| --- | --- | --- |
| **3** | **Concert\_Media\_Passes** | **CMP** |

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 may 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, Priviliges (*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

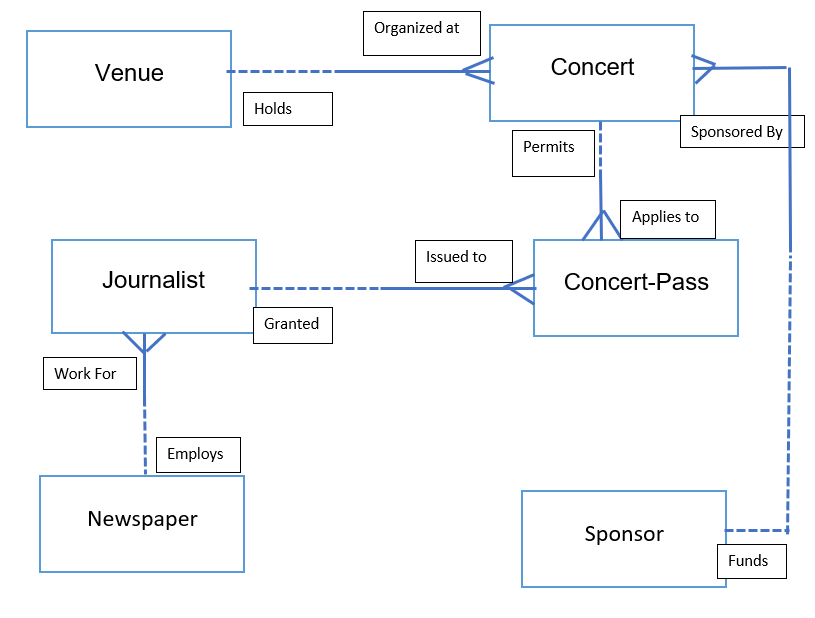
Journalist\_Id

Seat\_Number

Priviliges

*The underlined attributes are primary keys.*

# Entity-Relationship Diagram



# 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));

# 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/praesent/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,'bmacknight2@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@chronoengine.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@multiply.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@youtu.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.com','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@wunderground.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/maecenas/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/ipsum/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/ultricies.jpg’,46,138.59 )

Insert into Newspaper Values (25285988, ‘Sub-Ex’, ‘Merchant’, ‘Ardue’, ‘Westmeath’,2008, ‘Tabloid;, ‘lskule3@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,Qualifications,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’);

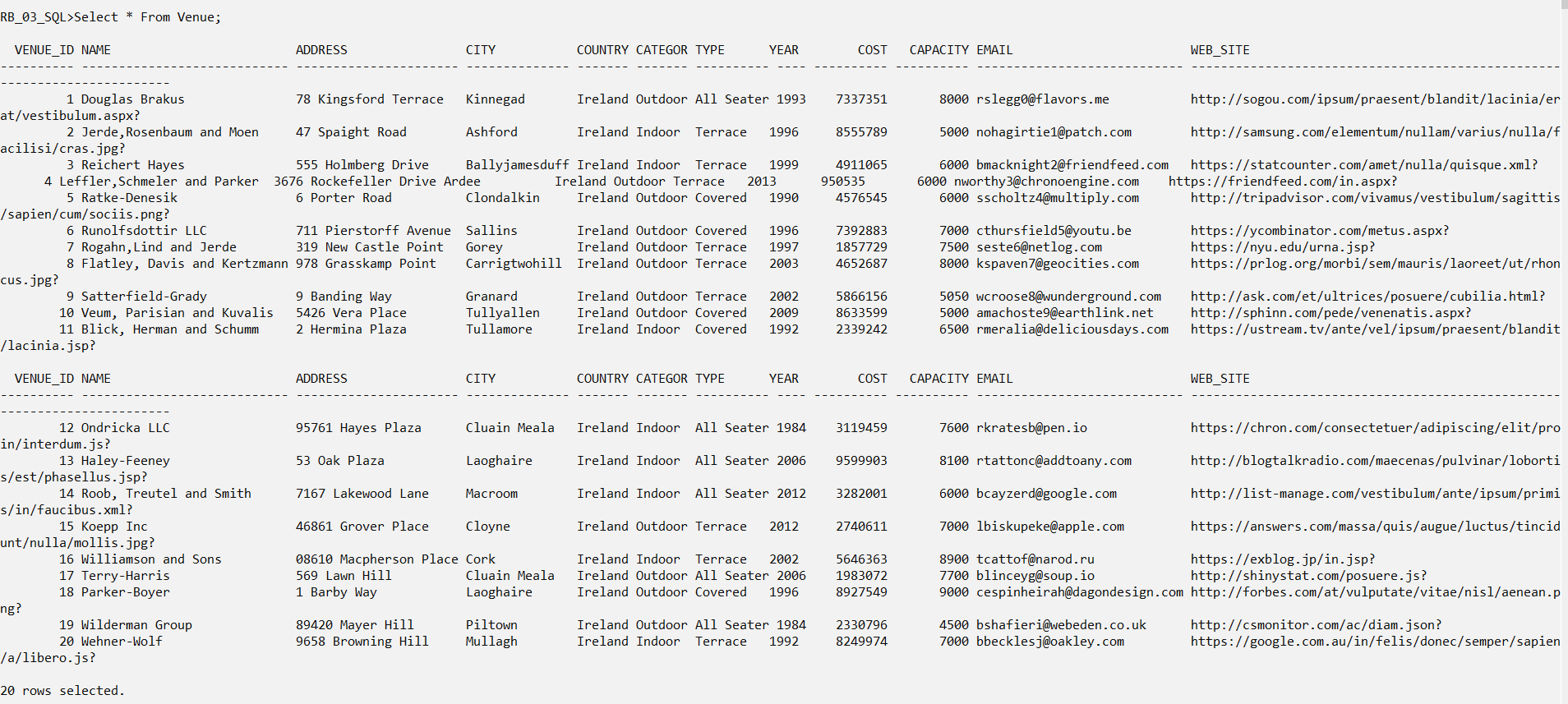
Insert Into Concert\_Pass Values (644,987045518, ‘W22’, ‘Access All Area’);

Insert Into Concert\_Pass Values (644,698559806, ‘N56’, ‘Access All Area’);

Insert Into Concert\_Pass Values (171,957111491, ‘C36’,’Hot Food’);

# Tables

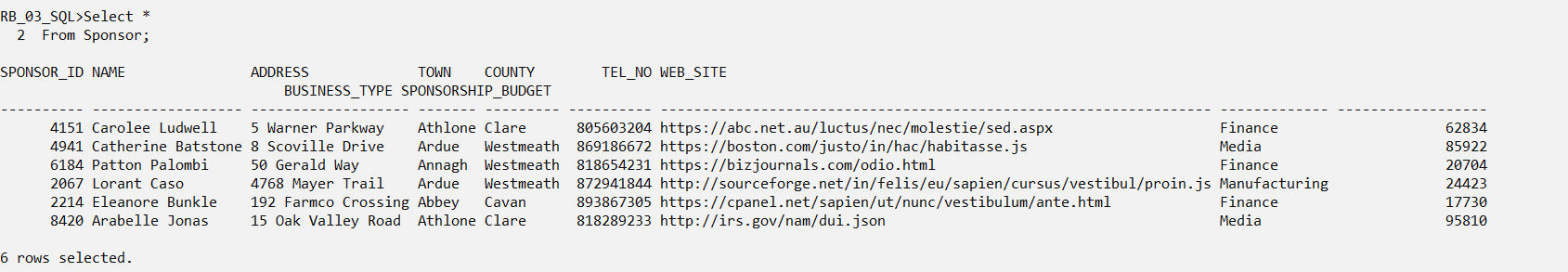
## Venue



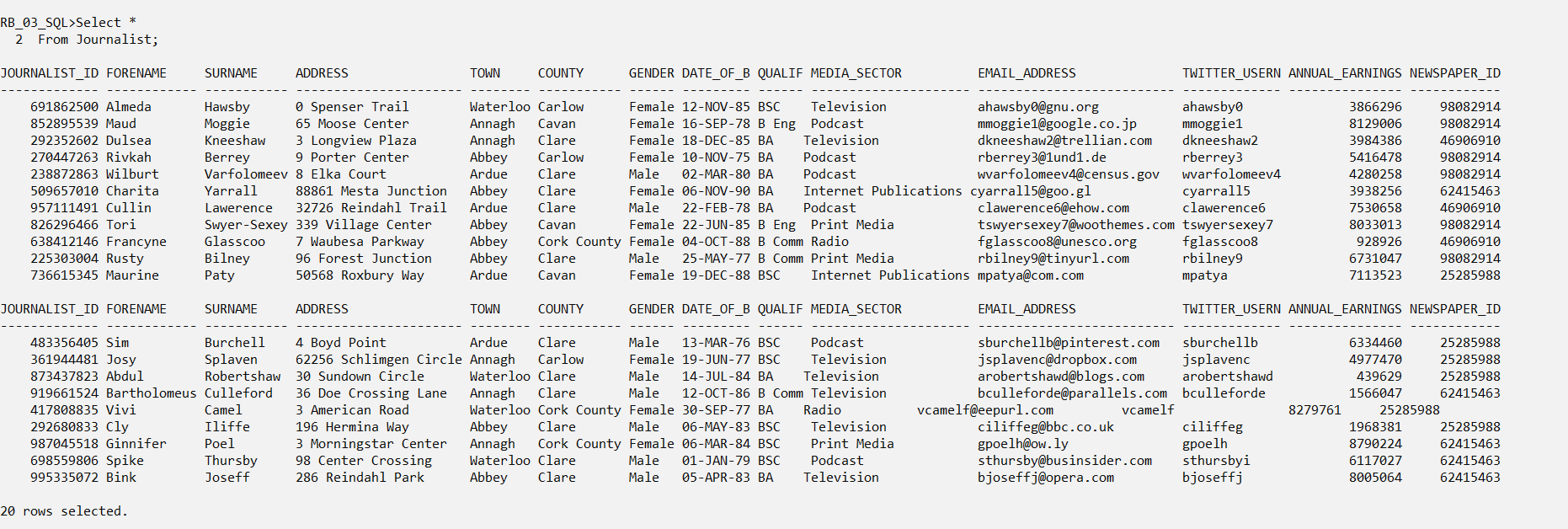
## Newspaper



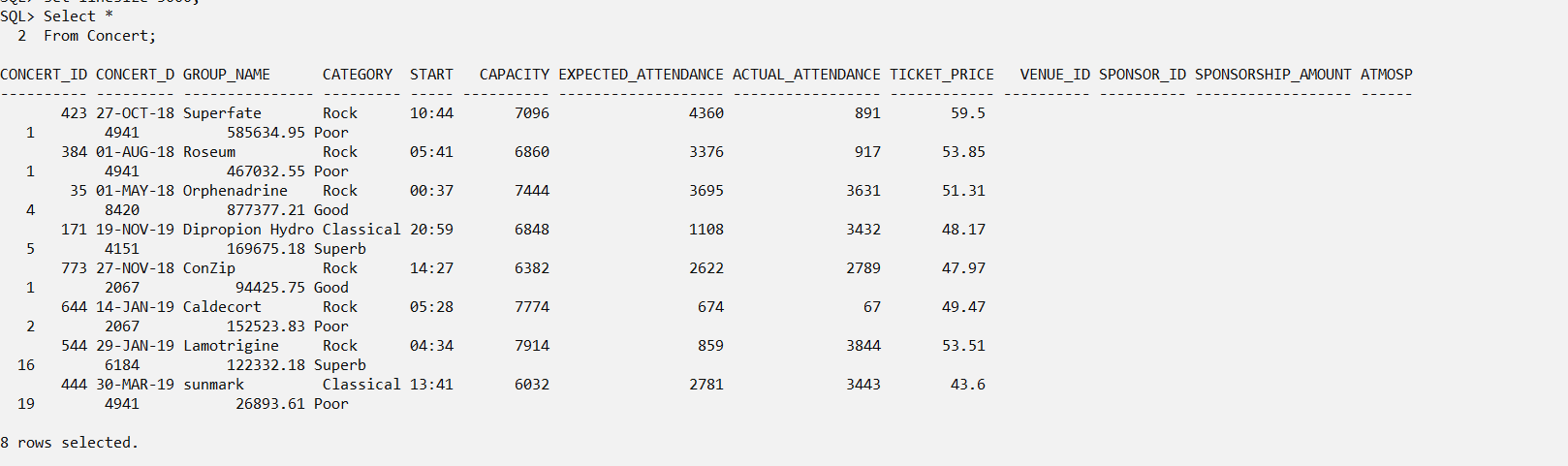
## Sponsor



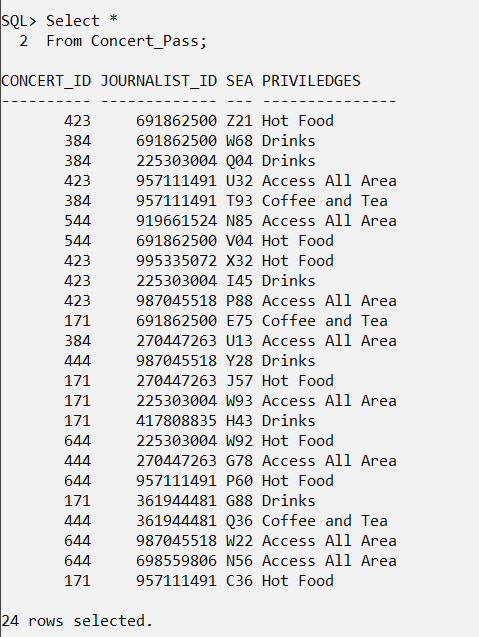
## Journalist



## Concert



## Concert\_Pass



# 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

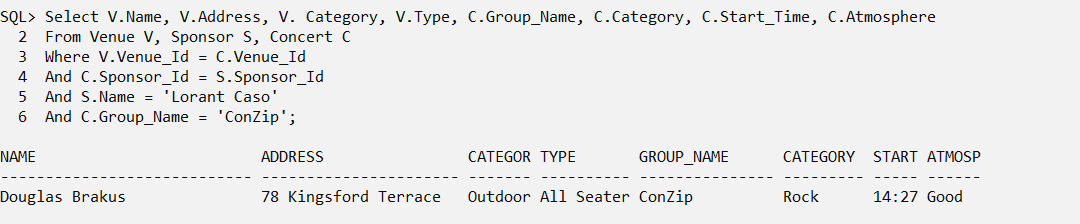
From Venue V, Sponsor S, Concert C

Where V.Venue\_Id = C.Venue\_Id

And C.Sponsor\_Id = S.Sponsor\_Id

And S.Name = ‘Lorant Caso’

And C.Group\_Name = ‘ConZip’;



1. **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:

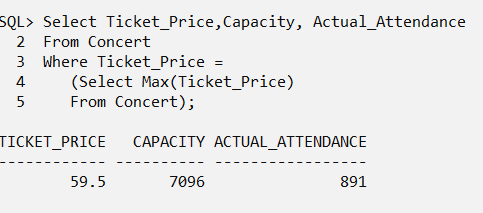
Select Ticket\_Price, Capacity, Actual\_Attendance

From Concert

Where Ticket\_Price =

(Select Max(Ticket\_Price)

From Concert);



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

Solution:

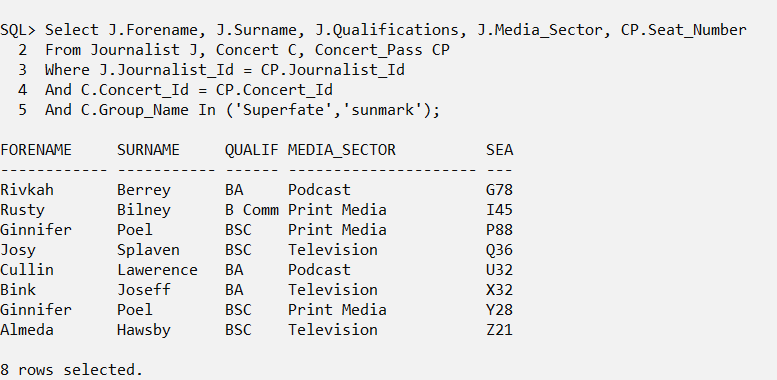
Select J.Forename, J.Surname, J.Qualification, J.Media\_Sector, CP.Seat\_Number

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’);



1. **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

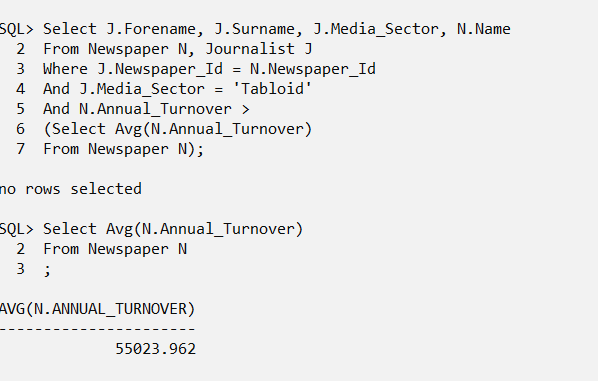
Where J.Newspaper\_Id = N.Newspaper\_Id

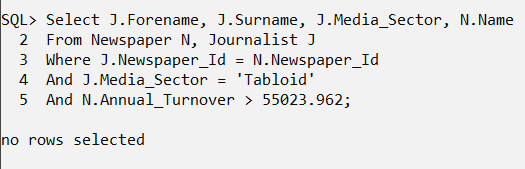
And J.Media\_Sector =

And N.Annual\_Turnover >

(Select Avg(N.Annual\_Turnover)

From Newspaper N);



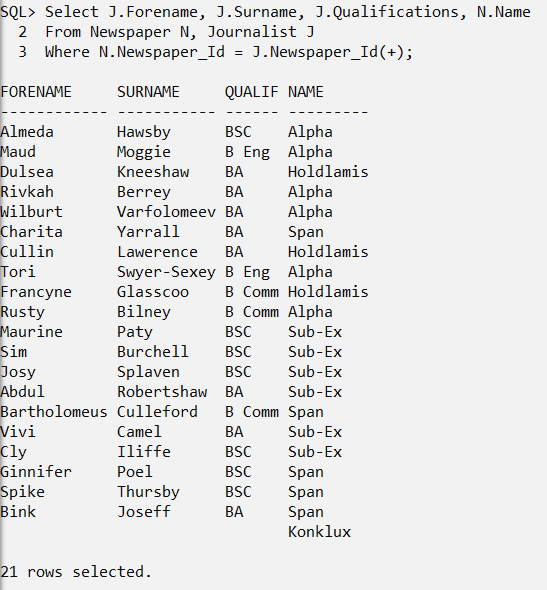


1. **Display the names and qualifications of every Journalist who either works for a newspaper or not**.

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

From Newspaper N, Journalist J

Where N.Newspaper\_Id = J.Newspaper\_Id(+);



1. **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

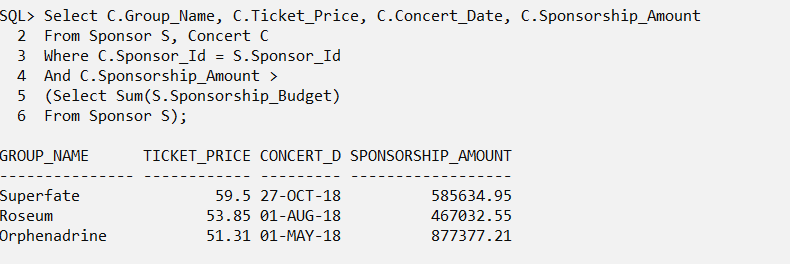
From Sponsor S, Concert C

Where C.Sponsor\_Id = S.Sponsor\_Id

And C.Sponsorship\_Amount >

(Select Sum(S.Sponsorship\_Budget)

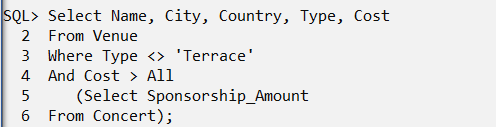
From Sponsor S);

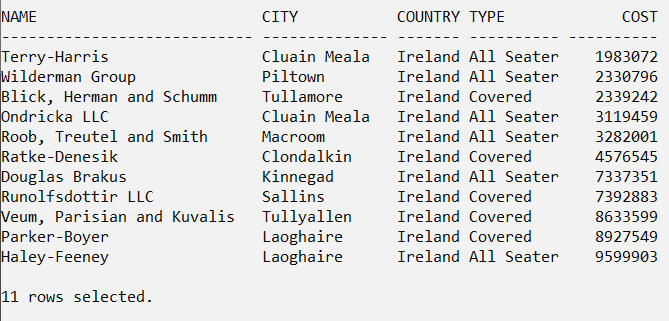


1. **Display the name, city, country, type and cost, where the type of venue is not All seater and the cost for the functioning of the venue is greater than at least one sponsorship amount by some sponsors**.



1. **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.**





1. **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**.

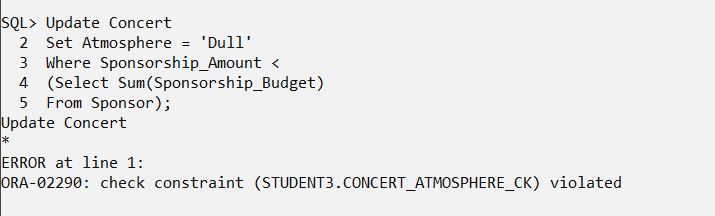
Update Table Concert

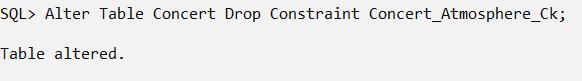
Set Concert.Atmosphere = ‘Dull’

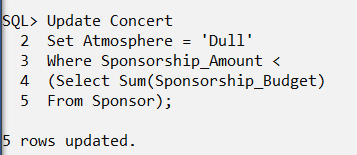
Where Sponsorship\_Amount <

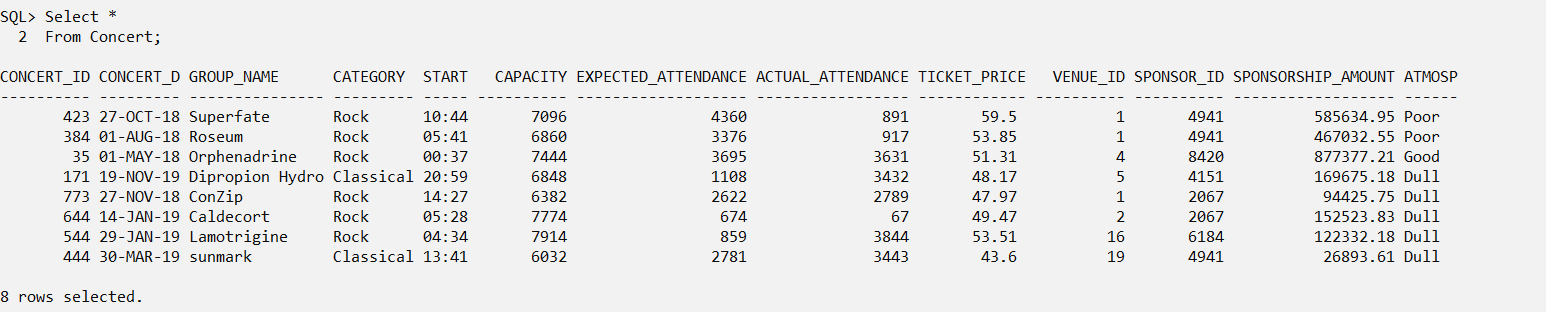
(Select Sum(Sponsorship\_Budget)

From Sponsor);









1. **Create a view for journalist name, address and category who works for a newspaper company containing ‘nk’.**

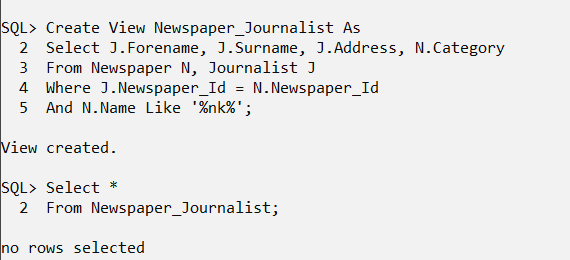
Create View Newspaper\_Journalist As

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%’;



1. **Grant manipulation permissions to two other users.**

