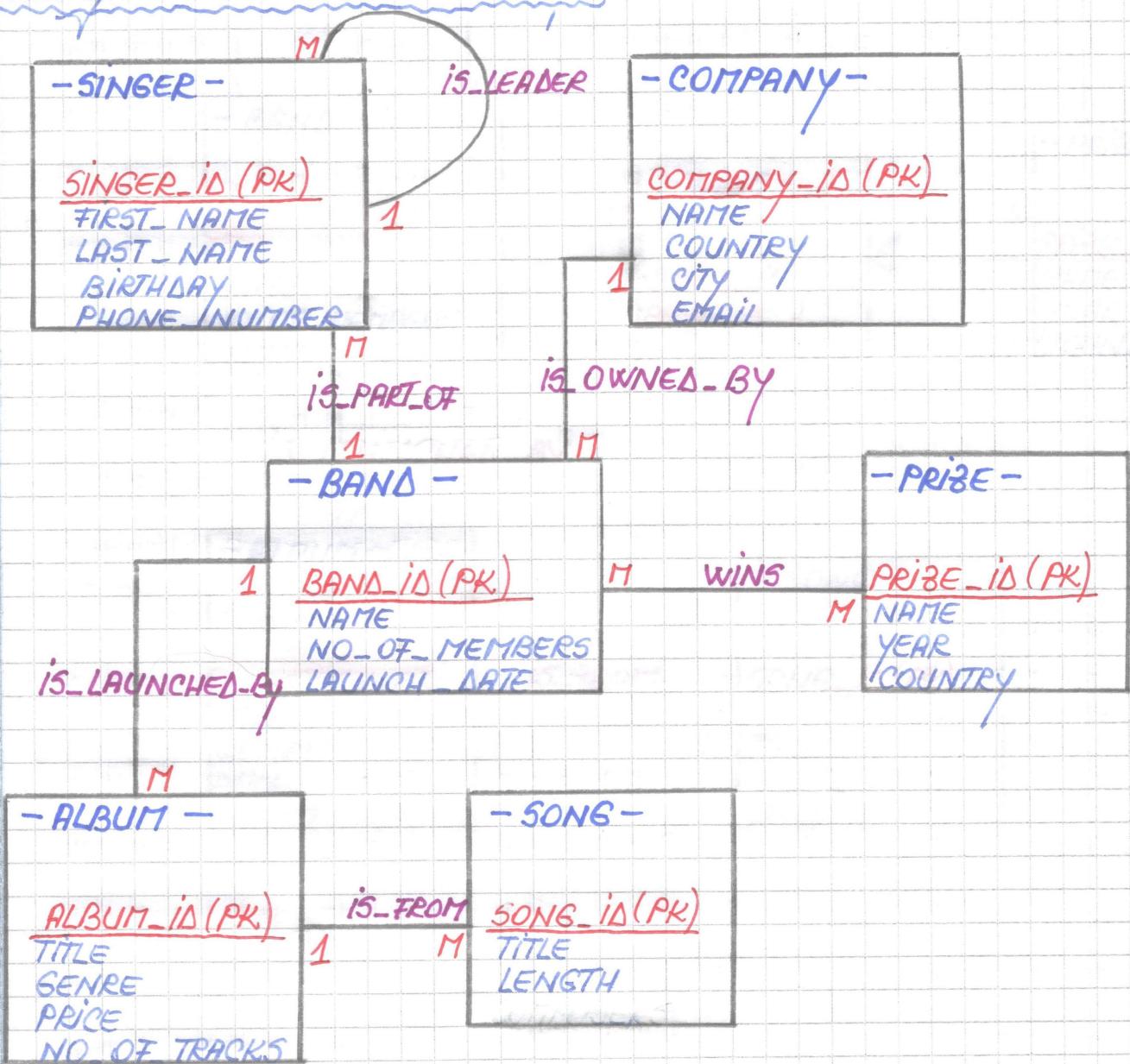


= Documentatie Proiect =

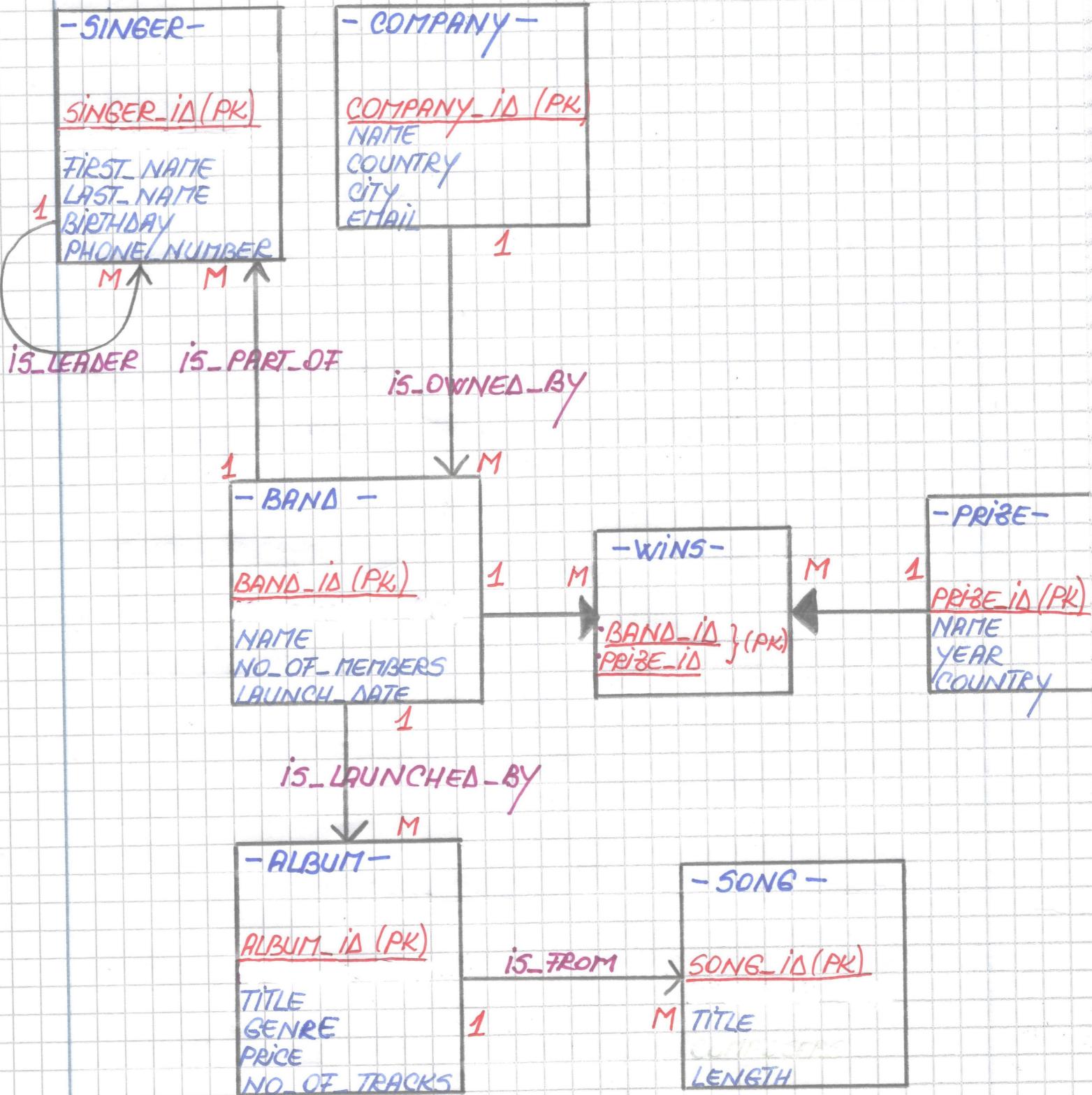
1) Prezentare:

Baza de date este utilizată pentru gestionarea grupurilor muzicale, conținând informații precum formație, compania din care grupul face parte, albumele, respectiv melodii lansate, dar și premiile câștigate de acesta.

2) Diagrama Entitate-Relație:



3) Diagrama Conceptual:



Oracle SQL Developer : grupa41project

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Connections x grupa41project x Worksheet Query Builder

```
SELECT *  
FROM company_lgd;
```

Script Output x Query Result x

All Rows Fetched: 8 in 0,011 seconds

D	NAME	COUNTRY	CITY	EMAIL
1	Big Hit Entertainment	Korea	Seoul	bhe@bhe.c
2	SM Entertainment	Korea	Seoul	sm@sm.kor
3	YG Entertainment	Korea	Seoul	(null)
4	JYP Entertainment	Korea	Seoul	jyp@domai
5	Columbia Records	United States of America	New York	sonyrecor
6	Warner Music Group	United Kingdom	London	(null)
7	MusicForYou Corporation	Italy	Rome	(null)
8	HEYMusic!	Korea	Seoul	(null)

COMPANY_LGD x Columns Data Constraints Grants Statistics Triggers Flashback Dependencies Details Partitions Actions...

COLUMN_NAME	DATA_TYPE	NULLABLE	DATA_DEFAULT	COLUMN_ID
1 COMPANY_ID	NUMBER(5,0)	No	(null)	1
2 NAME	VARCHAR2(25 BYTE)	No	(null)	2
3 COUNTRY	VARCHAR2(25 BYTE)	Yes	(null)	3
4 CITY	VARCHAR2(25 BYTE)	Yes	(null)	4
5 EMAIL	VARCHAR2(25 BYTE)	Yes	(null)	5

Log Line 2 Column 18 | Insert | Modified | Windows: CR/LF Editing

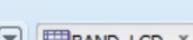


```
SELECT *
FROM band_lgd;
```

Script Output x Query... x

All Rows Fetched: 19 in 0,021 seconds

ID	NAME	NO_OF_MEMBERS	LAUNCH_DATE	COMPANY_ID
11	41 Stray Kids	8	03-09-2018	4
12	42 Got7	7	10-04-2013	4
13	50 AC/DC	4	01-11-1973	5
14	51 Bring me the Horizon	5	11-02-2006	5
15	52 Destiny Child	3	05-05-1997	5
16	60 ABBA	4	01-05-1972	6
17	61 Arctic Monkeys	4	21-06-2002	6
18	70 Monsta X	6	17-03-2014	(null)
19	80 Maroon 5	7	21-06-2001	(null)



Columns Data Constraints Grants Statistics Triggers Flashback Dependencies Details Partitions

Actions...

COLUMN_NAME	DATA_TYPE	NULLABLE	DATA_DEFAULT	COLUMN_ID
1 BAND_ID	NUMBER(5,0)	No	(null)	1
2 NAME	VARCHAR2(25 BYTE)	No	(null)	2
3 NO_OF_MEMBERS	NUMBER(2,0)	No	(null)	3
4 LAUNCH_DATE	DATE	Yes	sysdate	4
5 COMPANY_ID	NUMBER(5,0)	Yes	(null)	5

Oracle SQL Developer : grupa41project

File Edit View Navigate Run Versioning Tools Help

Connections x grupa41project x

Worksheet Query Builder

```
select *
from singer_lgd;
```

Script Output x | All Rows Fetched: 28 in 0,012 seconds

SINGER_ID	LEADER_ID	FIRST_NAME	LAST_NAME	BIRTHDAY	PHONE_NUMBER	BAND_ID
7	112	111 Kelly	Rowland	11-02-1981	755548123	
8	113	(null) Adam	Levine	18-03-1979	(null)	
9	114	113 Sam	Farar	29-06-1979	(null)	
10	115	(null) Alex	Turner	06-01-1986	744123456	
11	116	115 Jamie	Cook	08-07-1985	(null)	
12	117	(null) Angus	Young	31-05-1955	784512454	
13	118	117 Chris	Slade	06-01-1950	(null)	
14	119	(null) Soo-bin	Choi	05-12-2000	(null)	
15	120	119 Yeon-jun	Choi	13-07-1999	(null)	

SINGER_LGD x

Columns Data Constraints Grants Statistics Triggers Flashback Dependencies Details Partitions

Actions...

COLUMN_NAME	DATA_TYPE	NULLABLE	DATA_DEFAULT	COLUMN_ID
1 SINGER_ID	NUMBER(5,0)	No	(null)	1
2 LEADER_ID	NUMBER(5,0)	Yes	(null)	2
3 FIRST_NAME	VARCHAR2(25 BYTE)	No	(null)	3
4 LAST_NAME	VARCHAR2(25 BYTE)	No	(null)	4
5 BIRTHDAY	DATE	No	(null)	5
6 PHONE_NUMBER	VARCHAR2(15 BYTE)	Yes	(null)	6
7 BAND_ID	NUMBER(5,0)	Yes	(null)	7

Log | Line 4 Column 1 | Insert | Modified | Windows: CR/LF Editing

Oracle SQL Developer : grupa41project

File Edit View Navigate Run Versioning Tools Help

Connections x grupa41project x ALBUM_LGD x

Worksheet Query Builder Columns Data Constraints Grants Statistics Triggers Flashback Dependencies Details Partitions

Actions...

ALBUM_LGD

COLUMN_NAME	DATA_TYPE	NULLABLE	DATA_DEFAULT	COLUMN_ID
1 ALBUM_ID	NUMBER(5,0)	No	(null)	1
2 TITLE	VARCHAR2(25 BYTE)	No	(null)	2
3 GENRE	VARCHAR2(25 BYTE)	No	(null)	3
4 PRICE	NUMBER(5,2)	No	(null)	4
5 NO_OF_TRACKS	NUMBER(2,0)	No	(null)	5
6 BAND_ID	NUMBER(5,0)	No	(null)	6

Script Output x Query Result x

All Rows Fetched: 16 in 0,016 seconds

I_ID	TITLE	GENRE	PRICE	NO_OF_TRACKS
7	106 Red Pill Blues	Pop	102	10
8	107 Hands all Over	Pop	80,5	12
9	108 Highway to Hell	Rock	70	5
10	109 Back in Black	Rock	85	5
11	110 Fly on the Wall	Rock	53,25	5
12	111 Survivor	Pop	92	15
13	112 Perfect Velvet	Synth-pop	65,5	12
14	113 #Cookie Jar	Synth-pop	78,6	10
15	114 Fancy You	K-pop	60	6

Log

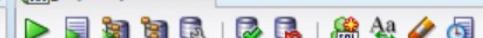
Table GRUPA41PROJECT.ALBUM_LGD@grupa41project

Line 2.Column 11 | Insert | Modified | Windows: CR/LF Editing



Connections x

grupa41project x



grupa41project ▾

Worksheet Query Builder

```
select *  
from song_lgd;
```

Script Output x

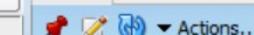
Query Result x

SQL | All Rows Fetched: 34 in 0,013 seconds

	SONG_ID	TITLE	LENGTH	ALBUM_ID
8	507	Magic Shop	(null)	101
9	508	Anpanman	150	101
10	510	Angel or Demon	170	103
11	511	Boy with Love	210	102
12	512	ON	250	102
13	513	Black Swan	(null)	102
14	514	Filter	(null)	102
15	515	Make it Right	230	102
16	516	The Eve	(null)	104

SONG_LGD x

Columns Data Constraints Grants Statistics Triggers Flashback Dependencies Details Partitions



Actions...

COLUMN_NAME	DATA_TYPE	NULLABLE	DATA_DEFAULT	COLUMN_ID
1 SONG_ID	NUMBER(5,0)	No	(null)	1
2 TITLE	VARCHAR2(25 BYTE)	No	(null)	2
3 LENGTH	NUMBER(4,0)	Yes	(null)	3
4 ALBUM_ID	NUMBER(5,0)	No	(null)	4

Log

Oracle SQL Developer : grupa41project

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Connections x

grupa41project x

Worksheet Query Builder

```
select *  
from prize_lgd;
```

Script Output x Query... x

All Rows Fetched: 28 in 0,012 seconds

PRIZE_ID	NAME	YEAR	COUNTRY
20	69 MNET Asian Music Award	2016	China
21	70 MNET Asian Music Award	2017	China
22	71 MNET Asian Music Award	2018	China
23	72 MNET Asian Music Award	2019	China
24	73 Billboard Music Award	2015	UK
25	74 Billboard Music Award	2016	UK
26	75 Billboard Music Award	2017	UK
27	76 Billboard Music Award	2018	UK
28	77 Billboard Music Award	2019	UK

PRIZE_LGD x

Columns Data Constraints Grants Statistics Triggers Flashback Dependencies Details Partitions

Actions...

COLUMN_NAME	DATA_TYPE	NULLABLE	DATA_DEFAULT	COLUMN_ID
1 PRIZE_ID	NUMBER(5,0)	No	(null)	1
2 NAME	VARCHAR2(25 BYTE)	No	(null)	2
3 YEAR	NUMBER(4,0)	Yes	(null)	3
4 COUNTRY	VARCHAR2(25 BYTE)	No	(null)	4

Log

Table GRUPA41PROJECT.PRIZE_LGD@grupa41project

Line 2 Column 11 | Insert | Modified | Windows: CR/LF Editing

Oracle SQL Developer : grupa41proiect

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Connections x grupa41proiect x ask Tom

PROGRAMARE_CV
PROIECT_FBE
PROIECT_VCH
PUBLISHERS_TBA
PUNCTE_DE_PREMIU
REGIZEAZA NIL
REGIZOR NIL
REGIZORI EMA
RESULTS_AAL
REVIEWS_TBA
SE_JOC_EMA
SERVICII_CVU
SERVICIU_FBE
SINGER_LGD
SONG_LGD
SPONSORIZEAZA_
STADIUMS_AAL
STAFF_AAL
STOC_MATERIALE
STUDENT_VCH
STUDENTI_VMA
TEAMS_AAL
TURIST_BFU
VOLUNTAR_VCH
WINS_LGD
PRIZE_ID
BAND_ID

Worksheet Query Builder

```
select *  
from wins_lgd;
```

Script Output x Query... x

All Rows Fetched: 79 in 0,02 seconds

	PRIZE_ID	BAND_ID
37	62	52
38	62	80
39	63	10
40	63	20
41	63	80
42	64	10
43	64	20
44	64	30
45	64	40
46	64	20

Log

Table GRUPA41PROIECT.WINS_LGD@grupa41proiect

Line 2 Column 10 | Insert | Modified | Windows: CR/LF Editing

Oracle SQL Developer : grupa41project

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Connections x SOL grupa41project x ask Tom

grupa41project

Worksheet Query Builder

```
-- DISTINCT + Subinterogare in WHERE (Numele tuturor formațiilor care au câștigat toate premiile posibile)
select distinct l.name
from band_lgd l join wins_lgd w on l.band_id = w.band_id
where l.band_id in (
SELECT DISTINCT band_id
FROM wins_lgd a
WHERE NOT EXISTS (SELECT 1
                   FROM prize_lgd p
                   WHERE p.year = 2015
                   AND NOT EXISTS (SELECT 'x'
                                   FROM wins_lgd b
```

Script Output x Query Result x

All Rows Fetched: 2 in 0,021 seconds

	NAME
1	BTS
2	EXO

ask
Tom

Connections x

grupa41project x

Worksheet Query Builder

```
-- Subinterrogare în HAVING + MAX + COUNT + TO_CHAR + GROUP BY (Se afișează toți cântăreții care au luna de naștere egală cu luna în care s-au născut)
select singer_id, last_name || first_name Nume, birthday
from singer_lgd
where to_char(birthday, 'mm') in
(select to_char(birthday, 'mm')
from singer_lgd
group by to_char(birthday, 'mm')
having count(*) = (select max(count(*))
                    from singer_lgd
                    group by to_char(birthday, 'mm')));
```

Script Output x Query Result x

All Rows Fetched: 6 in 0,012 seconds

SINGER_ID	NUME	BIRTHDAY
1	103 Byun Baek-hyun	06-05-1992
2	127 Jackson Michael	05-05-1988
3	126 Grande Ariana	05-05-1988
4	125 Adkins Adele	05-05-1988
5	117 Young Angus	31-05-1955
6	106 Kim Jun-myon	22-05-1991

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Oracle SQL Developer : grupa41project

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Connections x grupa41project x ask Tom

Worksheet Query Builder

```
-- Subinterrogare in SELECT + COUNT + AVG + ROUND + NVL + LEFT JOIN + LOWER (LIKE) + ORDER BY (Să se afișeze, ordonat după medie nr membrii, id-ul, numele și numărul de membri ai unei companii care au cel puțin un membru într-o bandă)
```

```
select d.company_id, d.name,
       (select count(band_id)
        from band_lgd
        where d.company_id=company_id) Nr_formatii,
       nvl((select round(avg(no_of_members), 2)
            from band_lgd
            where d.company_id=company_id), 0) as Medie_nr_Membrii,
```

Script Output x Query Result x

All Rows Fetched: 6 in 0,018 seconds

COMPANY_ID	NAME	NR_FORMATII	MEDIE_NR_MEMBRII	COUNTRY	CITY	EMAIL
1	8 HEYMusic!	0	0	Korea	Seoul	Nu exista adresa de mail
2	6 Warner Music Group	2	4	United Kingdom	London	Nu exista adresa de mail
3	3 YG Entertainment	2	4,5	Korea	Seoul	Nu exista adresa de mail
4	1 Big Hit Entertainment	4	5,25	Korea	Seoul	bhe@bhe.com
5	2 SM Entertainment	3	8	Korea	Seoul	sm@sm.kor
6	4 JYP Entertainment	3	8	Korea	Seoul	jyp@domain.kor

Oracle SQL Developer : grupa41project

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Connections x

grupa41project x

ask Tom

Worksheet Query Builder

```
-- MONTHS_BETWEEN + Subinterrogare în FROM (Pentru fiecare formăție, să se afișeze albumul/albumele care are prețul > media prețurilor tuturor albumelor
select name, title, pret_mediul, price, nr_albume, launch_date
from album_lgd e join band_lgd d on e.band_id = d.band_id
join

    (select round(avg(price), 2) pret_mediul, count(*) nr_albume, band_id
     from album_lgd
     group by band_id) aux

on d.band_id = aux.band_id
where price >= pret_mediul and months_between(sysdate, launch_date) < 100;
```

Script Output x Query Result x

All Rows Fetched: 5 in 0,024 seconds

#	NAME	TITLE	PRET_MEDIUL	PRICE	NR_ALBUME	LAUNCH_DATE
1	BTS	Love Yourself	107,92	120		312-05-2013
2	Tomorrow X Together	The Dream Chapter: MAGIC	95,3	95,3		104-03-2019
3	EXO	The War	97,5	99,99		203-05-2013
4	Red Velvet	#Cookie Jar	72,05	78,6		201-08-2014
5	Twice	Fancy You	60	60		110-10-2015

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Oracle SQL Developer : grupa41project

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Connections x

grupa41project x

Worksheet Query Builder

```
where price >= pret_mediul and months_between(sysdate, launch_date) < 100;

-- START WITH + CONNECT BY + UPPER + REPLACE (Să se afișeze toti membrii care îl au ca lider pe Kim Jun-myong, începând cu liderul)
with suho as (select singer_id
               from singer_lgd
               where upper(replace(last_name||first_name, '-')) = 'KIMJUNMYON')
select leader_id, singer_id, first_name||' '|last_name, birthday, phone_number, level
from singer_lgd
start with singer_id = (select *
                         from suho)
connect by prior singer_id = leader_id;
```

Script Output x Query Result x

All Rows Fetched: 5 in 1,885 seconds

	LEADER_ID	SINGER_ID	NUME	BIRTHDAY	PHONE_NUMBER	LEVEL
1	(null)	106	Jun-myong Kim	22-05-1991	(null)	1
2	106	124	Lay Zhang	07-10-1991	7845556322	2
3	106	105	Min-seok Kim	26-03-1990	(null)	2
4	106	104	Chan-yeol Park	27-11-1992	988745233	2
5	106	103	Baek-hyun Byun	06-05-1992	0123456789	2

ask
Tom

Connections x

grupa41project x

grupa41project

Worksheet

```
start with singer_id = (select *
                        from suho)
connect by prior singer_id = leader_id;

-- MINUS (Operatii pe Multimi: Căntăreții care nu aparțin de niciun grup)
select first_name||' '|last_name as nume
from singer_lgd
minus
select first_name||' '|last_name as num
from singer_lgd
where band_id is not null;
```

Script Output x Query Result x

SQL | All Rows Fetched: 3 in 0,012 seconds

NUME
1 Adele Adkins
2 Ariana Grande
3 Michael Jackson

ask
Tom

Connections x

grupa41project x

Worksheet Query Builder

```
-- SUM + ANY + INNER JOIN (Să se afiseze toate albumele care au genul POP, mai mult de 7 melodii și durata albumului este mai mare decât oricare din ele)
```

```
select a.album_id, a.title, durata, a.no_of_tracks
from album_lgd a join
      (select album_id, sum(length) durata
       from song_lgd
       group by album_id) cantece
on a.album_id = cantece.album_id
inner join album_lgd b on a.album_id = b.album_id
where lower(a.genre) like '%pop%' and b.no_of_tracks >= 7 and durata > any(select sum(length)
                                                               from song_lgd
                                                               group by album_id);
```

Script Output x Query... x

All Rows Fetched: 4 in 0,016 seconds

ALBUM_ID	TITLE	DURATA	NO_OF_TRACKS
1	101 Love Yourself	770	11
2	100 Wings	630	15
3	111 Survivor	395	15
4	113 #Cookie Jar	211	10

Oracle SQL Developer : grupa41project

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Connections x ALBUM_LGD x

Worksheet Query Builder

```
-- FULL JOIN + INTERSECT + ROWNUM (Să se afișeze primii 10 câțăreți, în ordine alfabetică, care fac parte dintr-o formație muzicală)
with query as (select last_name||' '||first_name Nume, s.band_id, b.band_id, b.name
               from singer_lgd s full outer join band_lgd b on s.band_id = b.band_id
              intersect
               select last_name||' '||first_name Nume, s.band_id, b.band_id, b.name
               from singer_lgd s join band_lgd b on s.band_id = b.band_id
              order by 1)
select Nume, name
from query
where rownum <= 10;
```

Script Output x Query Result x

SQL | All Rows Fetched: 10 in 0,009 seconds

	NUME	NAME
1	Bae Joo-hyun	Red Velvet
2	Byun Baek-hyun	EXO
3	Choi Soo-bin	Tomorrow X Together
4	Choi Yeon-jun	Tomorrow X Together
5	Cook Jamie	Arctic Monkeys
6	Farar Sam	Maroon 5
7	Kai Huening	Tomorrow X Together
8	Kim Jennie	BlackPink
9	Kim Ji-soo	BlackPink
10		

Log

Line 103 Column 27 | Insert | Modified | Windows: CR/LF Editing

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Connections x

grupa41project x

Worksheet Query Builder

```
-- MIN + RIGHT JOIN + ADD_MONTHS + CASE
select c.company_id, c.name, b.band_id, b.name formatie, no_of_members, c.country,
       add_months(b.launch_date,
                  case
                      when c.country = 'Korea' then 200
                      when c.country = 'United Kingdom' then 150
                      when c.country = 'United States of America' then 100
                      else 120
                  end) "Contractul va Expiră"
from company_lgd c right join band_lgd b on c.company_id = b.company_id
where no_of_members * 0.7 >= (select min(no_of_members)
```

Script Output x Query Result x

All Rows Fetched: 13 in 0,018 seconds

COMPANY_ID	NAME	BAND_ID	FORMATIE	NO_OF_MEMBERS	COUNTRY	Contractul va Expiră
1	1 Big Hit Entertainment	10 BTS		7	Korea	12-01-2030
2	1 Big Hit Entertainment	11 Tomorrow X Together		5	Korea	04-11-2035
3	1 Big Hit Entertainment	13 Glam		5	Korea	16-02-2029
4	2 SM Entertainment	20 EXO		9	Korea	03-01-2030
5	2 SM Entertainment	21 Super Junior		10	Korea	16-12-2022
6	2 SM Entertainment	22 Red Velvet		5	Korea	01-04-2031
7	3 YG Entertainment	31 BigBang		5	Korea	22-02-2023
8	4 JYP Entertainment	40 Twice		9	Korea	10-06-2032
9	4 JYP Entertainment	41 Stray Kids		8	Korea	03-05-2035
10						
11						
12						
13						

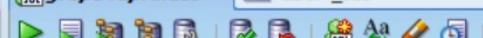
Log



Connections x

- + 193.226.51.37
- + exam12
- + grupa41project
 - Tables (Filtered)
 - + A_JUCAT_AME
 - + AAACTORI
 - + AAABOXOFFICE
 - + AAAFILME
 - + AAARATING
 - + AAARELATIEFILME
 - + AAAUDIO
 - + ACHIEVEMENT_BG
 - + ACHIZITIE_BFU
 - + ADRESA_AST
 - + ADRESA_CVU
 - + AEROPORT_IMU
 - + AGENTIE_BFU
 - + ALBUM_LGD
 - ALBUM_ID
 - TITLE
 - GENRE
 - PRICE
 - NO_OF_TRACKS
 - BAND_ID
 - + ANGAJAT_FBE
 - + ANGAJAT NIL
 - + ANGAJATI
 - + ANGAJATI_AST
 - + ANGAJATI_CSI

grupa41project x ALBUM_LGD x



Worksheet

```
-- SUBSTR + ROLLUP + SUM + TO_DATE + LAST_DAY + UNION
select band_id, album_id, sum(length)
from band_lgd join album_lgd using (band_id)
join song_lgd using (album_id)
where substr(band_lgd.name, 1, 1) = 'T'
group by rollup(band_id, album_id)
union
select band_id, album_id, sum(length)
from band_lgd join album_lgd using (band_id)
join song_lgd using (album_id)
where last_day(launch_date) = to_date('31-05-2013', 'dd-mm-YYYY')
group by rollup(band_id, album_id);
```

Script Output x

All Rows Fetched: 13 in 0,018 seconds

	BAND_ID	ALBUM_ID	SUM(LENGTH)
	5	11	103
	6	11	(null)
	7	20	104
	8	20	105
	9	20	(null)
	10	40	114
	11	40	(null)
	12	(null)	(null)
	13	(null)	(null)
			2855

Log

Oracle SQL Developer : grupa41project

File Edit View Navigate Run Versioning Tools Help

Connections x grupa41project x ALBUM_LGD x

ask Tom

grupa41project

Worksheet Query Builder

```
join song_lgd using (album_id)
where last_day(launch_date) = to_date('31-05-2013', 'dd-mm-yyyy')
group by rollup(band_id, album_id);

-- NULLIF + NOT EXISTS
select company_id, name, country
from company_lgd c
where not exists(select 'x'
                 from band_lgd
                 where c.company_id = band_lgd.company_id)
      and nullif(country, 'Italy')= country;
```

Script Output x Query Result x

All Rows Fetched: 1 in 0,02 seconds

	COMPANY_ID	NAME	COUNTRY
1	8	HEYMusic!	Korea

Oracle SQL Developer : grupa41project

File Edit View Navigate Run Versioning Tools Help

Connections x SOL grupa41project x ask Tom

grupa41project

Worksheet Query Builder

```
from band_lgd
      where c.company_id = company_id)
and nullif(country, 'Italy')= country;

-- INSTR + VARIABILE
select a.singer_id, a.last_name, a.first_name, a.leader_id, b.last_name||' '||b.first_name Leader
  from singer_lgd a join singer_lgd b on a.leader_id = b.singer_id
 start with a.singer_id in (select singer_id
                               from singer_lgd
                             where instr(lower(last_name||first_name), '&y') = &ex)
 connect by prior a.singer_id = a.leader_id;
```

Script Output x Query Result x

All Rows Fetched: 3 in 0,013 seconds

SINGER_ID	LAST_NAME	FIRST_NAME	LEADER_ID	LEADER
1	101 Park	Ji-min	100	Kim Nam-joon
2	104 Park	Chan-yeol	106	Kim Jun-myon
3	123 Park	Soo-young	122	Bae Joo-hyun

Log

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Connections x | grupa41project x | ask tom

Connections
193.226.51.37
exam12
grupa41project
Tables (Filtered)
A_JUCAT_AME
AAAATORI
AAABOXOFFICE
AAAFILME
AAARATING
AAARELATIEFILME
AAASTUDIO
ACHIEVEMENT_BG
ACHIZITIE_BFU
ADRESA_AST
ADRESA_CVU
AEROPORT_IMU
AGENTIE_BFU
ALBUM_LGD
ALBUM_ID
TITLE
GENRE
PRICE
NO_OF_TRACKS
BAND_ID
ANGAJAT_FBE
ANGAJAT_NIL
ANGAJATI
ANGAJATI_AST
ANGAJATI_CSI

Worksheet Query Builder

```
select company_id,
case
when lower(country) like 's%'
then (select count(*)
      from band_lgd
      where company_id = j.company_id)

when (select max(no_of_members)
      from band_lgd
      where company_id = j.company_id) = (select max(no_of_members)
      from band_lgd)
```

Script Output x | Query Result x | All Rows Fetched: 8 in 0,01 seconds | SQL

	COMPANY_ID	INFO
1	1	4
2	2	5,84
3	3	4
4	4	7
5	5	3
6	6	4
7	7	(null)
8	8	(null)

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Connections x

grupa41project x

Worksheet Query Builder

```
where company_id = j.company_id)
end info
from company_lgd j;

--
```

```
select a.title, min(length)
from album_lgd a join song_lgd s on a.album_id = s.album_id
group by a.title
having avg(length) = (select max(avg(length))
                      from song_lgd
                      group by album_id);
```

Script Output x Query Result x

All Rows Fetched: 1 in 0,006 seconds

SQL

	TITLE	MIN(LENGTH)
1	The War	280

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Connections x

grupa41project x

Worksheet Query Builder

```
from song_lgd  
group by album_id);  
  
-- UNION ALL  
select title  
from album_lgd  
where no_of_tracks >= 10  
union all  
select title  
from song_lgd  
where length >= 200;
```

Script Output x Query Result x

All Rows Fetched: 23 in 0,017 seconds

	TITLE
15	Airplane pt. 2
16	Boy with Love
17	ON
18	Make it Right
19	Ko Ko Bop
20	Touch it
21	2YA2YAO!
22	Fancy
23	Russian Roulette

Log