

Projeto Banco de Dados

Mateus Felipe da Silveira Vieira
RA: 10723904

Rayana Pimentel Marques Lopes
RA: -

November 2, 2025

Contents

1	Texto de Modelagem	2
2	Diagrama Modelo Entidade-Relacionamento	3
3	Diagrama Modelo Relacional	4
4	Preparação (PostgreSQL)	5
4.1	Criando Tabelas	5
4.1.1	Chats	5
4.1.2	Usr	5
4.1.3	Posts	5
4.1.4	usr_posts_chats	6
4.1.5	follow	6
4.1.6	Anexes	6
4.2	Inserindo Dados	7
4.2.1	Chats	7
4.2.2	Usr	7
4.2.3	Posts	8
4.2.4	usr_posts_chats	9
4.2.5	follow	10
4.2.6	Anexes	10
5	Testando com Dados	12
5.1	Tabela Chats - (Grupos)	12
5.2	Tabela Usr - (Usuários)	12
5.3	Tabela Posts - (Mensagens)	12
5.4	Tabela usr_posts_chats (Relação: Usr <N> - Posts <N> - Chats <N>)	13

5.5	Tabela follow (Relação: Usr <N> - Usr <N> [auto-relação])	14
5.6	Tabela Anexes (Relação: Anexes <N> - Posts <1>)	15
6	Full script	16
7	SELECT Queries	22
7.1	SELECT with WHERE, LIKE and COUNT function	22
7.2	SELECT with INNER JOIN and GROUP BY	22
7.3	SELECT with RIGHT JOIN	23
7.4	SELECT with INNER JOIN, 4 tables	23

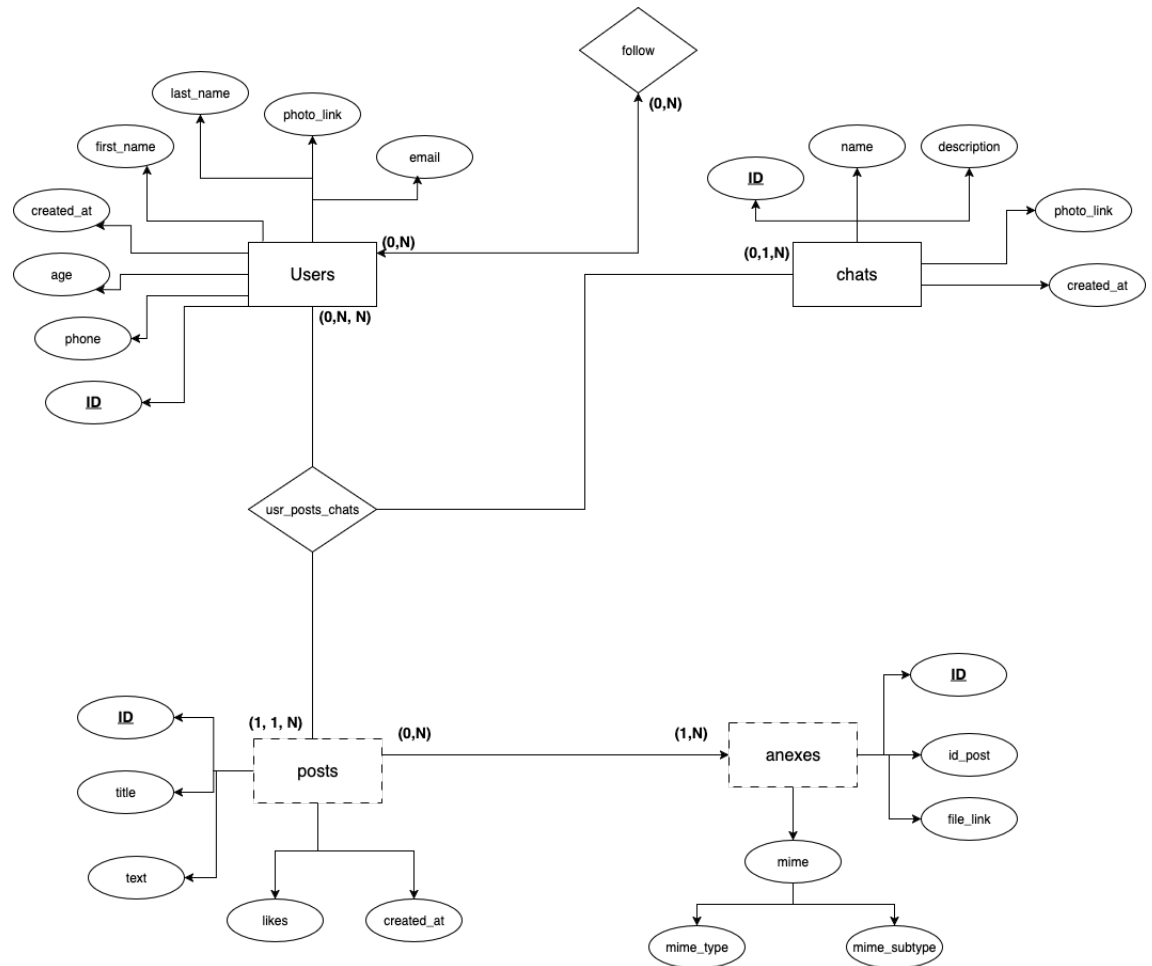
Git Latex Link

https://github.com/habdig7oficial/Baco_dados_latex_doc.git

1 Texto de Modelagem

Foi criado uma modelagem na qual há *Usuários*, *Posts*, *Anexos* e *Chats* como entidades, na qual Cada Usuário pode possuir diversos Posts em diversos Chats e cada post deve pertencer a pelo menos um chat e um usuário criador, a entidade Usuário é independente não dependendo de Post nem Chats para ser criada, enquanto Chats depende de pelo menos um Usuário para existir. A entidade Anexos está relacionada com Post, com um post podendo possuir muitos anexos, mas cada anexo pertence exclusivamente a um post (por motivos de não ser possível assegurar de uma maneira computacionalmente viável em escala se um anexo é o mesmo entre diversos posts). Além disto nesta rede social há a possibilidade de um usuário poder seguir e ser seguido por muitos usuários, incluindo uma relação recíproca em que um par de usuários se seguem mutuamente, sendo o sentido de tal relação distinto, distinguindo-se o seguidor do seguido (este processo poderia ser descrito e otimizado em um Banco de Dados exclusivo para gráfos, mas por motivos de aprendizado será utilizado uma modelagem para Banco SQL).

2 Diagrama Modelo Entidade-Relacionamento



3 Diagrama Modelo Relacional



4 Preparação (PostgreSQL)

4.1 Criando Tabelas

4.1.1 Chats

Query SQL:

```
CREATE TABLE chats(  
  id INTEGER GENERATED BY DEFAULT AS IDENTITY PRIMARY KEY,  
  
  name VARCHAR(20) NOT NULL,  
  description VARCHAR(50),  
  
  photo_link VARCHAR(20),  
  
  created_at TIMESTAMP DEFAULT NOW()  
);
```

4.1.2 Usr

Query SQL:

```
CREATE TABLE usr (  
  id INTEGER GENERATED BY DEFAULT AS IDENTITY PRIMARY KEY,  
  
  first_name VARCHAR(30) NOT NULL,  
  last_name VARCHAR(30) NOT NULL,  
  email VARCHAR(30) NOT NULL,  
  age SMALLINT CHECK(age >= 18) NOT NULL,  
  phone VARCHAR(20) NOT NULL,  
  photo_link VARCHAR(20),  
  
  created_at TIMESTAMP DEFAULT NOW()  
);
```

4.1.3 Posts

Query SQL:

```
CREATE TABLE posts (
```

```
id INTEGER GENERATED BY DEFAULT AS IDENTITY PRIMARY KEY,  
  
title VARCHAR(40) NOT NULL,  
text TEXT NOT NULL,  
likes INTEGER DEFAULT(0),  
  
created_at TIMESTAMP DEFAULT NOW()  
);
```

4.1.4 usr_posts_chats

Query SQL:

```
CREATE TABLE usr_posts_chats(  
    id_usr INT REFERENCES usr(id),  
    id_post INT REFERENCES posts(id),  
    id_chats INT REFERENCES chats(id),  
    PRIMARY KEY(id_usr, id_post, id_chats)  
);
```

4.1.5 follow

Query SQL:

```
CREATE TABLE follow(  
    id_from INT REFERENCES usr(id),  
    id_to INT REFERENCES usr(id),  
  
    PRIMARY KEY(id_from, id_to)  
);
```

4.1.6 Anexes

Query SQL:

```
CREATE TABLE anexes (  
    id INT GENERATED BY DEFAULT AS IDENTITY,  
    id_post INT REFERENCES posts(id) NOT NULL,  
    file_link VARCHAR(50) NOT NULL,  
    mime_type VARCHAR(20) NOT NULL,  
    mime_subtype VARCHAR(20) NOT NULL
```

);

4.2 Inserindo Dados

4.2.1 Chats

Query SQL:

```
INSERT INTO chats(  
    name,  
    description  
)  
VALUES(  
    'TECNOLOGIES',  
    'A chat about tech'  
) ,  
(  
    'Music',  
    'Discussion about music'  
) ,  
(  
    'Deutsch Sprechen',  
    'A sehr schön über Deutsch Sprachen'  
) ,  
(  
    'Daily life',  
    'A chat about daily life'  
) ,  
(  
    'Travelling',  
    'A chat to share your experiences around the world'  
) ;
```

4.2.2 Usr

Query SQL:

```
INSERT INTO usr (  
    first_name,  
    last_name,  
    email,  
    age,
```

```

    phone
)
VALUES (
    'Mateus Felipe',
    'Silveira Vieira Schreiner',
    '10723904@mackenzista.com',
    19,
    '11 979246-6876'
),
(
    'Rayana',
    'Pimentel',
    'ra@mackenzie.com',
    19,
    '11 979246-6876'
),
(
    'Cidinha',
    'Delgado',
    'cidinha@musica.com',
    60,
    '11 979248-6876'
),
(
    'Vitinho',
    'Roveri',
    'vitor@pianista.com',
    37,
    '11 979236-6876'
),
(
    'Karen',
    'Comanduli',
    'pio_x@musica.com',
    50,
    '11 979246-6876'
);

```

4.2.3 Posts

Query SQL:

```

INSERT INTO posts(
    title,

```



```

    text
)
VALUES(
    'What is free (as in freedom) software',
    'Specifically, free software means users have the four essential freedoms:
    (0) to run the program,
    (1) to study and change the program in source code form,
    (2) to redistribute exact copies, and (3) to distribute modified versions.'
),
(
    'Why I like Linux',
    'I like linux because is free, is flexible and costumizable'
),
(
    'Best Classical Musics to Sing in a Chor',
    'There a lot of options. However Bach, Mozart and Beethoven are good choiches'
),
(
    'How theach music for children',
    'Fist is important a lot of patience and perceverance'
),
(
    'My day today',
    'I have a pretty good day today. I awakend and ...'
),
(
    'Was habe ich am letzten Donnerstag gemacht',
    'Hallo Freunde*innen, am Donnerstag bin ich nach Jundiaí gefahren und ...'
)
;

```

4.2.4 usr_posts_chats

Query SQL:

```

INSERT INTO usr_posts_chats(
    id_usr,
    id_post,
    id_chats
)
VALUES(1,1,1),(1,2,1),(5,3,2),(3,4,2),(2,5,4),(1,6,4);

```

4.2.5 follow

Query SQL:

```
INSERT INTO follow(
    id_from,
    id_to
)
VALUES(1,5), (2,1), (1,2), (4,5), (4,3);
```

4.2.6 Anexes

Query SQL:

```
INSERT INTO anexes(
    id_post,
    file_link,
    mime_type,
    mime_subtype
)
VALUES(
    1,
    'https://www.gnu.org/philosophy/philosophy.html.en',
    'html',
    'hyperlink'
),
(
    1,
    'https://www.gnu.org/graphics/agplv3-155x51.png',
    'image',
    'png'
),
(
    2,
    'https://www.kernel.org/theme/images/logos/tux.png',
    'image',
    'png'
),
(
    4,
    'https://freessvg.org/img/noun_project_928.png',
    'image',
    'png'
)
```

);

5 Testando com Dados

5.1 Tabela Chats - (Grupos)

Query SQL:

```
SELECT id, name, description, created_at FROM chats;
```

id	name	description	created_at
1	TECNOLOGIES	A chat about tech	2025-09-07 18:21:20.70906
2	Music	Discussion about music	2025-09-07 18:21:20.70906
3	Deutsch Sprechen	A sehr schön über Deutsch Sprachen	2025-09-07 18:21:20.70906
4	Daily life	A chat about daily life	2025-09-07 18:21:20.70906
5	Travelling	A chat to share your experiences around the world	2025-09-07 18:21:20.70906

5.2 Tabela Usr - (Usuários)

Query SQL:

```
SELECT id, first_name, last_name, email, age, phone FROM usr;
```

id	first_name	last_name	email	age	phone
1	Mateus Felipe	Silveira Vieira Schreiner	10723904@mackenzista.com	19	11 979246-6876
2	Rayana	Pimentel	ra@mackenzie.com	19	11 979246-6876
3	Cidinha	Delgado	cidinha@musica.com	60	11 979248-6876
4	Vitinho	Roveri	vitor@pianista.com	37	11 979236-6876
5	Karen	Comanduli	pio_x@musica.com	50	11 979246-6876

5.3 Tabela Posts - (Mensagens)

Query SQL:

```
SELECT id, title, SUBSTRING(text FROM 1 FOR 20) || '...'
AS text_init, likes, created_at FROM posts;
```

id	title	text_init	likes	created_at
1	What is free (as in freedom) software	Specifically,...	0	2025-11-02 20:16:52.422684
2	Why I like Linux	I like linux ...	0	2025-11-02 20:16:52.422684
4	How theach music for children	Fist is impor...	0	2025-11-02 20:16:52.422684
5	My day today	I have a pret...	0	2025-11-02 20:16:52.422684
6	Was habe ich am letzten Donnerstag gemacht	Hallo Freunde...	0	2025-11-02 20:16:52.422684
3	Best Classical Musics to Sing in a Chor	There a lot o...	1	2025-11-02 20:16:52.422684

5.4 Tabela usr_posts_chats (Relação: Usr <N> - Posts <N> - Chats <N>)

Query SQL:

```
SELECT id_usr, id_post, id_chats FROM usr_posts_chats;
```

id_usr	id_post	id_chats
1	1	1
1	2	1
5	3	2
3	4	2
2	5	4
1	6	4

```
SELECT posts.title, SUBSTRING(text FROM 1 FOR 13) || '...' AS text,
chats.name AS chat_name,
first_name, usr.id AS usr_id FROM usr
```

```
INNER JOIN usr_posts_chats ON usr.id = usr_posts_chats.id_usr
INNER JOIN posts ON posts.id = usr_posts_chats.id_post
INNER JOIN chats ON chats.id = usr_posts_chats.id_chats;
```

title	text	chat_name	first_name	usr_id
What is free (as in freedom) softwa...	Specifically,...	TECNOLOGIES	Mateus Felipe	1
Why I like Linux...	I like linux ...	TECNOLOGIES	Mateus Felipe	1
Best Classical Musics to Sing in a ...	There a lot o...	Music	Karen	5
How theach music for children...	Fist is impor...	Music	Cidinha	3
My day today...	I have a pret...	Daily life	Rayana	2
Was habe ich am letzten Donnerstag ...	Hallo Freunde...	Daily life	Mateus Felipe	1

5.5 Tabela follow (Relação: Usr <N> - Usr <N> [auto-relação])

Query SQL:

```
SELECT id_from, id_to FROM follow;
```

id_from	id_to
1	5
2	1
1	2
4	5
4	3

```
SELECT usr_from.id AS id_from, follow.id_to,
usr_from.first_name AS name_from, usr_to.first_name AS name_to FROM usr usr_from
INNER JOIN follow ON usr_from.id = follow.id_from
INNER JOIN usr usr_to ON usr_to.id = follow.id_to;
```

1

¹Para essa query SQL foi necessário utilizar um nome intermediário, pois como há uma relação N:N entre a mesma entidade Usr, através da tabela de ligação follow, é preciso diferenciar as colunas em questão do usuário que segue (from) e do que é seguido (to), caso o contrário ocorresse que somente uma coluna resultante seria mostrada pois teriam o mesmo nome, apesar de possuírem valores diferentes

id_from	id_to	name_from	name_to
1	5	Mateus Felipe	Karen
2	1	Rayana	Mateus Felipe
1	2	Mateus Felipe	Rayana
4	5	Vitinho	Karen
4	3	Vitinho	Cidinha

5.6 Tabela Anexes (Relação: Anexes <N> - Posts <1>)

Query SQL:

```
SELECT id, id_post, file_link, mime_type, mime_subtype FROM anexes;
```

id	id_post	file_link	mime_type	mime_subtype
1	1	https://www.gnu.org/philosophy/philosophy.html.en	html	hyperlink
2	1	https://www.gnu.org/graphics/agplv3-155x51.png	image	png
3	2	https://www.kernel.org/theme/images/logos/tux.png	image	png
4	4	https://www.kernel.org/theme/images/logos/tux.png	image	png

```
SELECT anexes.id AS anexes__id, posts.id AS post__id, posts.title,
SUBSTRING(file_link FROM 1 FOR 15) || '...' AS file_link,
mime_type, mime_subtype FROM anexes
INNER JOIN posts ON anexes.id_post = posts.id;
```

anexes__id	post__id	title	file_link	mime_type	mime_subtype
1	1	What is ...	https://www.gnu...	html	hyperlink
2	1	What is ...	https://www.gnu...	image	png
3	2	Why I li...	https://www.ker...	image	png
4	4	How thea...	https://freessvg...	image	png

6 Full script

```
-- drop all tables from the last test
DROP TABLE IF EXISTS posts CASCADE;
DROP TABLE IF EXISTS usr CASCADE;
DROP TABLE IF EXISTS chats CASCADE;

DROP TABLE IF EXISTS usr_posts_chats;
DROP TABLE IF EXISTS follow;
DROP TABLE IF EXISTS anexes;

-- Re create tables

CREATE TABLE chats(
  id INTEGER GENERATED BY DEFAULT AS IDENTITY PRIMARY KEY,

  name VARCHAR(20) NOT NULL,
  description VARCHAR(50),

  photo_link VARCHAR(20),

  created_at TIMESTAMP DEFAULT NOW()
);

CREATE TABLE usr (
  id INTEGER GENERATED BY DEFAULT AS IDENTITY PRIMARY KEY,

  first_name VARCHAR(30) NOT NULL,
  last_name VARCHAR(30) NOT NULL,
  email VARCHAR(30) NOT NULL,
  age SMALLINT CHECK(age >= 18) NOT NULL,
  phone VARCHAR(20) NOT NULL,
  photo_link VARCHAR(20),

  created_at TIMESTAMP DEFAULT NOW()
);

CREATE TABLE posts (
  id INTEGER GENERATED BY DEFAULT AS IDENTITY PRIMARY KEY,

  title VARCHAR(45) NOT NULL,
  text TEXT NOT NULL,
  likes INTEGER DEFAULT(0),

  created_at TIMESTAMP DEFAULT NOW()
```



```

);

CREATE TABLE follow(
    id_from INT REFERENCES usr(id),
    id_to INT REFERENCES usr(id),

    PRIMARY KEY(id_from, id_to)
);

CREATE TABLE usr_posts_chats(
    id_usr INT REFERENCES usr(id),
    id_post INT REFERENCES posts(id),
    id_chats INT REFERENCES chats(id),
    PRIMARY KEY(id_usr, id_post, id_chats)
);

CREATE TABLE anexes (
    id INT GENERATED BY DEFAULT AS IDENTITY,
    id_post INT REFERENCES posts(id) NOT NULL,
    file_link VARCHAR(50) NOT NULL,
    mime_type VARCHAR(20) NOT NULL,
    mime_subtype VARCHAR(20) NOT NULL
);

-- insert dummy data

INSERT INTO chats(
    name,
    description
)
VALUES(
    'TECNOLOGIES',
    'A chat about tech'
),
(
    'Music',
    'Discussion about music'
),
(
    'Deutsch Sprechen',
    'A sehr schön über Deutsch Sprachen'
),
(

```

```

        'Daily life',
        'A chat about daily life'
    ),
    (
        'Travelling',
        'A chat to share your experiences around the world'
    );

```

```

INSERT INTO usr (
    first_name,
    last_name,
    email,
    age,
    phone
)
VALUES (
    'Mateus Felipe',
    'Silveira Vieira Schreiner',
    '10723904@mackenzista.com',
    19,
    '11 979246-6876'
),
(
    'Rayana',
    'Pimentel',
    'ra@mackenzista.com',
    19,
    '11 979246-6876'
),
(
    'Cidinha',
    'Delgado',
    'cidinha@musica.com',
    60,
    '11 979248-6876'
),
(
    'Vitinho',
    'Roveri',
    'vitor@pianista.com',
    37,
    '11 979236-6876'
),
(
    'Karen',

```

```

        'Comanduli',
        'pio_x@musica.com',
        50,
        '11 979246-6876'
    );

INSERT INTO follow(
    id_from,
    id_to
)
VALUES(1,5), (2,1), (1,2), (4,5),(4,3);

INSERT INTO posts(
    title,
    text
)
VALUES(
    'What is free (as in freedom) software',
    'Specifically, free software means users have the four essential freedoms:
    (0) to run the program,
    (1) to study and change the program in source code form,
    (2) to redistribute exact copies, and (3) to distribute modified versions.'
),
(
    'Why I like Linux',
    'I like linux because is free, is flexible and costumizable'
),
(
    'Best Classical Musics to Sing in a Chor',
    'There a lot of options. However Bach, Mozart and Beethoven are good choiches'
),
(
    'How theach music for children',
    'Fist is important a lot of patience and perceverance'
),
(
    'My day today',
    'I have a pretty good day today. I awakend and ...'
),
(
    'Was habe ich am letzten Donnerstag gemacht',
    'Hallo Freunde*innen, am Donnerstag bin ich nach Jundiaí gefahren und ...'
)
;

```

```

INSERT INTO usr_posts_chats(
    id_usr,
    id_post,
    id_chats
)
VALUES(1,1,1),(1,2,1),(5,3,2),(3,4,2),(2,5,4),(1,6,4);

INSERT INTO anexes(
    id_post,
    file_link,
    mime_type,
    mime_subtype
)
VALUES(
    1,
    'https://www.gnu.org/philosophy/philosophy.html.en',
    'html',
    'hyperlink'
),
(
    1,
    'https://www.gnu.org/graphics/agplv3-155x51.png',
    'image',
    'png'
),
(
    2,
    'https://www.kernel.org/theme/images/logos/tux.png',
    'image',
    'png'
),
(
    4,
    'https://freesvg.org/img/noun_project_928.png',
    'image',
    'png'
),
(
    4,
    'imagem bem legal',
    'image',
    'png'
);

-- add like to see if works
UPDATE posts SET likes = likes + 1 WHERE id = 3;

```

```

SELECT id, name, description, created_at FROM chats; -- chats

SELECT id, first_name, last_name, email, age, phone FROM usr; --usr

SELECT id, title, SUBSTRING(text FROM 1 FOR 13) || '...'
AS text__init, likes, created_at FROM posts; -- posts

-- usr_posts_chats
SELECT id_usr, id_post, id_chats FROM usr_posts_chats;

-- 3.4 3 Tabelas Inner join
SELECT posts.title, SUBSTRING(text FROM 1 FOR 13) || '...' AS text,
chats.name AS chat__name,
first_name, usr.id AS usr__id FROM usr
INNER JOIN usr_posts_chats ON usr.id = usr_posts_chats.id_usr
INNER JOIN posts ON posts.id = usr_posts_chats.id_post
INNER JOIN chats ON chats.id = usr_posts_chats.id_chats;

-- followers
SELECT id_from, id_to FROM follow;

SELECT usr_from.id AS id_from, follow.id_to,
usr_from.first_name AS name_from, usr_to.first_name AS name_to FROM usr usr_from
INNER JOIN follow ON usr_from.id = follow.id_from
INNER JOIN usr usr_to ON usr_to.id = follow.id_to;

-- anexes
SELECT id, id_post, file_link, mime_type, mime_subtype FROM anexes;

SELECT anexes.id AS anexes__id, posts.id AS post__id, SUBSTRING(posts.title FROM 1 FOR 8) ||
SUBSTRING(file_link FROM 1 FOR 15) || '...' AS file_link,
mime_type, mime_subtype FROM anexes
INNER JOIN posts ON anexes.id_post = posts.id;

/* Query Projeto 2*/

-- 3.1
SELECT COUNT(first_name) AS search_by_email FROM usr
WHERE email LIKE '%@mackenzista%';

/*
SELECT id_post, posts.title, COUNT(id_post) AS linked_anexes FROM anexes
INNER JOIN posts ON anexes.id_post = posts.id
WHERE mime_type = 'image' AND mime_subtype = 'png'
GROUP BY id_post, posts.title;

```

```

*/

-- 3.2
/*SELECT FOLLOW.first_name AS follow, IS_FOLLOWED.first_name FROM follow FOLLOW
INNER JOIN usr IS_FOLLOWED ON FOLLOW.id_from = IS_FOLLOWED.;*/

SELECT usr_follow.first_name AS follows, usr_followed.first_name AS is_followed FROM follow
INNER JOIN usr usr_follow ON follow.id_from = usr_follow.id
INNER JOIN usr usr_followed ON usr_follow.id = usr_followed.id;

-- 3.3
SELECT posts.id, posts. title id_post, SUBSTRING(file_link FROM 1 FOR 13) || '...' AS file_1
RIGHT JOIN posts ON posts.id = anexes.id;

-- 3.4 3 Tabelas Inner join
SELECT posts.id, SUBSTRING(posts.title FROM 1 FOR 25) || '...' AS title, SUBSTRING(text FROM
chats.name AS chat__name,
first_name, usr.id AS usr__id FROM usr
INNER JOIN usr_posts_chats ON usr.id = usr_posts_chats.id_usr
INNER JOIN posts ON posts.id = usr_posts_chats.id_post
INNER JOIN chats ON chats.id = usr_posts_chats.id_chats;

```

Projeto 2 Queries SQL

7 SELECT Queries

7.1 SELECT with WHERE, LIKE and COUNT function

Query SQL:

```

-- 3.1
SELECT COUNT(first_name) AS search_by_email FROM usr
WHERE email LIKE '%@mackenzista%';

```

search_by_email
2

7.2 SELECT with INNER JOIN and GROUP BY

Query SQL:

```
-- 3.2
SELECT id_from, follows.first_name AS first_name_follows,
COUNT(id_to) AS following FROM follow
INNER JOIN usr follows ON id_from = follows.id
GROUP BY id_from, first_name;
```

id_from	first_name_follows	following
1	Mateus Felipe	2
4	Vitinho	2
2	Rayana	1

7.3 SELECT with RIGHT JOIN

Query SQL:

```
-- 3.3
SELECT posts.id, posts.title id_post, file_link, mime_type, mime_subtype FROM anexes
RIGHT JOIN posts ON posts.id = anexes.id;
```

id	id_post	file_link	mime_type	mime_subtype
1	What is free (as in freedom) software	https://www.g...	html	hyperlink
2	Why I like Linux	https://www.g...	image	png
3	Best Classical Musics to Sing in a Chor	https://www.k...	image	png
4	How theach music for children	https://frees...	image	png
5	My day today	imagem bem le...	image	png
6	Was habe ich am letzten Donnerstag gemacht	null	null	null

7.4 SELECT with INNER JOIN, 4 tables

Query SQL:

```
-- 3.4 3 Tabelas Inner join
SELECT posts.id, SUBSTRING(posts.title FROM 1 FOR 25) || '...' AS title,
SUBSTRING(text FROM 1 FOR 13) || '...' AS text,
chats.name AS chat_name,
first_name, usr.id AS usr_id FROM usr
```

```

INNER JOIN usr_posts_chats ON usr.id = usr_posts_chats.id_usr
INNER JOIN posts ON posts.id = usr_posts_chats.id_post
INNER JOIN chats ON chats.id = usr_posts_chats.id_chats;

```

id	title	text	chat__name	first_name	usr__id
1	What is free (as in freed...	Specifically,...	TECNOLOGIES	Mateus Felipe	1
2	Why I like Linux...	I like linux ...	TECNOLOGIES	Mateus Felipe	1
3	Best Classical Musics to ...	There a lot o...	Music	Karen	5
4	How theach music for chil...	Fist is impor...	Music	Cidinha	3
5	My day today...	I have a pret...	Daily life	Rayana	2
6	Was habe ich am letzten D...	Hallo Freunde...	Daily life	Mateus Felipe	1