

[M2S04] - Eduardo Rodrigues

-- Ex 1 - Banco de dados com Docker:

```
docker run
  --name places
  -e POSTGRESQL_USERNAME=docker
  -e POSTGRESQL_PASSWORD=docker
  -e POSTGRESQL_DATABASE=api_places_database
  -p 5432:5432
  bitnami/postgresql
```

-- Ex 2 - Tabela Places

```
CREATE TABLE places (
  "id" serial PRIMARY KEY,
  "name" varchar(150) NOT NULL,
  "contact" varchar(20),
  "opening_hours" varchar(100),
  "description" text,
  "latitude" float UNIQUE NOT NULL,
  "longitude" float UNIQUE NOT NULL,
  "created_at" timestamp with time zone default now()
);
```

-- Ex 3 - Tabela Reviews

```
create type status_reviews as enum (
  'PENDENTE',
  'APROVADO',
  'REJEITADO'
);
```

```
CREATE TABLE "reviews" (
  "id" serial PRIMARY KEY,
  "place_id" integer,
  "name" text NOT NULL,
  "email" varchar(150),
  "stars" decimal(2,1),
  "date" timestamp,
  "status" status_reviews DEFAULT 'PENDENTE',
  "created_at" timestamp with time zone default now(),

  FOREIGN KEY ("place_id") REFERENCES "places" ("id")
);
```

-- Ex 4 - INSERT e SELECT - Places

4.1- SQL para Inserir Dados na Tabela Places:

```
insert into places (  
    name,  
    contact,  
    opening_hours,  
    description,  
    latitude,  
    longitude  
)  
values (  
    'Igreja da Matriz',  
    '1234-5678',  
    'Aberto das 09:00 às 22:00',  
    '.....',  
    -2.12345678,  
    1.98765432  
);
```

4.2- SQL para Listar Todas as Informações na Tabela Places:

```
select * from places
```

4.3- SQL para Listar uma Informação Específica com Base no ID na Tabela Places:

```
select * from places where id=1;
```

-- Ex 5 - Update e Delete - Places

5.1- SQL para Atualizar Informações na Tabela Place:

```
update places  
set description = 'Igreja legal', opening_hours = 'Aberto das 18:00 as 22:00'  
where id=4;
```

5.2- SQL para Deletar Informações da Tabela Places:

```
delete from places where id = 3
```

-- Ex 6 - INSERT, SELECT - REVIEWS

6.1 - SQL para Inserir Dados na Tabela Reviews:

```
INSERT INTO reviews (  
    place_id,  
    name,  
    email,  
    stars,  
    date  
)  
VALUES  
(  
    4,  
    'Maria',  
    'maria@gmail.com',  
    5,  
    '2023-11-10 12:00:00'  
);
```

6.2 - SQL para Listar Todas as Informações na Tabela Reviews:

```
SELECT *  
FROM reviews r  
JOIN places p  
ON r.place_id = p.id  
WHERE r.place_id = 4;
```