**q1: Retornar id e nome dos velejadores com suas respectivas quantidades de reservas**

select s.sid, s.sname, count(r.bid) // count (r..sid)

from sailor s left join reserve r on s.sid = r.sid

group by s.sid, s.sname;

**q2: Retornar todos os velejadores com ranking maior que 2 que fizeram o maior numero de reservas**

select s.sname

from sailor s natural join reserve r

where s.rating > 2

group by s.sid

having count (\*) = (select max (qt) as mx

from (select count (\*) as qt from sailor s natural join reserve r where s.rating>2 group by r.sid)t);

**q3: Retornar a cor do barco mais frequente**

marina=# select color

marina-# from boat

marina-# group by color

marina-# having count(\*) = (select max(qt) as mx from (select count(\*) as qt from boat group by color)t);

Atividades:

**1. Retornar as rotas cadastradas no formato:**

**Estação Origem Estação Destino Distancia**

**Resultado (sem a rota cadastrada acima):**

**from to distance**

**Batcity Dragonpolis 34.5**

**Supercity Giants 23.5**

**Supercity Mycounty 12.4**

**Batcity Mycounty 17.7**

**Mycounty Giants 8.7**

**Edgar Codd Boyce 10.0**

**Giants Boyce 13.2**

select sf.names as "Estacao Origem", st.names as "Estacao Destino", r.dist as "Distancia"

from route r join station sf on r.idsfrom = sf.ids join station st on r.idsto = st.ids;

**2. Incluir um novo trem:**

**Name: Arrow**

**Passangers: 95**

**Type: Diesel**

insert into train (idtr, nametr, capac, typet) values (6,'Arrow',95,2);

**3. Incluir uma nova estaÃ§Ã£o:**

**Name: Candy Jar**

train=# insert into station (ids, names) values (8, 'Candy Jar');

**4. Incluir uma nova rota:**

**Edgar Codd -> Candy Jar Distance: 33**

insert into route (idsfrom,idsto,dist) values (5,8,33);

**5. Incluir uma nova linha para a rota recem criada:**

**Train: Arrow Data: 01/11/2023**

insert into train\_route (idtr,idsfrom,idsto,datet) values (6,5,8,'2023-11-01');

6. Implementar uma consulta que retorne no formato:

Estação Origem Estação Destino Distancia Nome Trem Tipo Trem Data Partida

Resultado da consulta (sem a rota incluÃ­da acima):

from to distance train\_name train\_type departure

Batcity Dragonpolis 34.5 Coral Steam 2021-05-10

Supercity Mycounty 12.4 Coral Steam 2022-05-11

Batcity Mycounty 17.7 Transalpes Diesel 2021-12-12

Mycounty Giants 8.7 Border Diesel 2021-11-11

Edgar Codd Boyce 10.0 Brave Steam 2021-11-11

Giants Boyce 13.2 Brave Steam 2021-11-11

select sf.names as “from”, st.names as “to”, r.dist as “distance”, t.nametr as “train\_name”, ty.descr as “train\_type”, tr.datet as “departure”

from train\_route tr join train t on tr.idtr = t.idtr

join type ty on t.typet = ty.idt

join route r on tr.idsfrom = r.idsfrom and tr.idsto = r.idsto

join station sf on r.idsfrom = sf.ids

join station st on r.idsto = st.ids;