HARTMANN Matthias 2A

Commandes PostgreSQL :

```
help : \? [commande]
help(sql): \h [commande]

liste base : \l
liste table : \d
exec script : \ir [chemin relatif] | \i [chemin absolu]
schema intention : \d [table]
liste utilisateur : \dg
suppr affichage tuple : \t
affiche en col : \x
schéma extention : select * from [table];
```

Création de table :

```
create table [nom] (
[nomAttribut] [type],
[nomAttribut] [type],
[nomAttribut] [type],
...


constraint [nomContrainte] [type]([option]),
constraint [nomContrainte] primary key ([nomAttribut], ...),
constraint [nomContrainte] unique ([nomAttribut], ...),
constraint [nomContrainte] check ([condition]),
constraint [nomContrainte] foreign key ([nomAttribut, ...) REFERENCES
[table] ([nomAttributDeLaTable],...) ON [UPDATE/DELETE] [NO ACTION |
CASCADE | SET DEFAULT | SET NULL]

);
```

Altération de table :

```
alter table [table] [action];

alter table [table] add [nomAttribut] [type] [NOT NULL | DEFAULT |
Contrainte inline];
alter table [table] alter [nomAttribut] TYPE [nouveau type];
alter table [table] rename [nomAttribut] to [nouveauNomAttribut];
alter table [table] drop [nomAttribut];
alter table [table] add constraint [contrainte];
alter table [table] drop constraint [contrainte];
```

SQL programmers be like

'Sarcastic Query Language' • by u/casperdewith

Mise à jour / Insertion / suppression dans une table :

```
alter table [table] [action];

alter table [table] add [nomAttribut] [type] [NOT NULL | DEFAULT |
Contrainte inline];
alter table [table] alter [nomAttribut] TYPE [nouveau type];
alter table [table] rename [nomAttribut] to [nouveauNomAttribut];
alter table [table] drop [nomAttribut];
alter table [table] add constraint [contrainte];
alter table [table] drop constraint [contrainte];

/*Inserer dans une table*/
insert into [table] (nomAttribut, nomAttribut2,...)
      [values (valeur,valeur2,...),...]
      [select . . . ]
/*Mettre à jour une table*/
update [table]
set nomAttribut = nouvelleValeur
where [condition]

/*Supprimer une valeur dans une table*/
delete from [table] where [condition];
--Si on veut supprimer toutes les valeurs : delete from [table];
```

Fonctions :

```
count()
sum()
avg()
max()
min()
lower()
upper()
distinct()
```

Selection :

```
select [nomAttribut,..] from [table] as [alias]
inner join [table a joindre] on [nomAttribut] = [nomAttribut]
where [condition]
group by [nomAttribut]
      having [condition]
order by [nomAttribut ou expression] [ASC|DESC]
limit [nombre | all]
```


MFW DELETING FROM A TABLE WITHOUT A WHERE CLAUSE

SQL

Queries

Sub Queries

JOIN clause