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Program : intro to nodejs

Setelah instalasi postgres selesai untuk masuk ke mode postgres di terminal ketikan postgres  
-U username nya

```
root@IT:/home/saman/kerja/hactive8/sesi8# docker exec -it postgres bash
root@95c9bb9bcc6e:/# psql -U postgres
psql (13.4 (Debian 13.4-1.pgdg100+1))
Type "help" for help.

postgres=#
```

Membuat database

```
postgres=# create database h8;
CREATE DATABASE
```

Buat database ada karakter tertentu

```
postgres=# create database "h8-2";
CREATE DATABASE
```

Drop database

```
postgres=# drop database if exists saman;
NOTICE: database "saman" does not exist, skipping
DROP DATABASE
postgres=#
```

```
postgres=# drop database if exists "h8-2";
DROP DATABASE
postgres=#
```

Connect ke database / use database

```
postgres=# \c "h8";
You are now connected to database "h8" as user "postgres".
h8=#
```

DDL => Data definition language=>memanipulasi data dan table yang ada di dalam nya

DML => Data manipulation language => untuk manipulasi data (entry nya yang di manipulasi)

```
insert into "Students" ("name", "hoby", "age", "NIM")
values
('samans', 'membaca dokumentasi', 20, '123456'),
('samanss', 'mengagumi senja', 21, '123456'),
('samansss', 'menikmati kopi', 22, '123456'),
('hafid', 'baca dokumentasi', 23, '123456')
;
```

Query advanced

```
select * from "Students" where "age" > 20 and "hoby" like 'mengagumi%';  
select * from "Students" where "age" between 20 and 22 order by "age" limit 2;
```

Agegate function => untuk menghitung basic statistic

```
select avg("age") from "Students";  
select sum("age") from "Students";  
select * from "Students" where lower("hoby") = 'menikmat';
```