

Dokumentasi Pengerjaan Responsi Junior Project 2024/2025
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Membuat Table di PostgreSQL

```
1  ✓ create SEQUENCE employee_id
2      start with 2024001
3      increment by 1;
4  ✓ create table tb_employee
5  (
6      id character VARYING(100) default 'ST' || nextval('employee_id') primary key,
7      name character VARYING(20),
8      phone character VARYING(20),
9      address character VARYING(20),
10     depart character VARYING(20),
11     id_depart character VARYING(20)
12 )
13
14 create SEQUENCE id_dep
15     start with 1001
16     increment by 1;
17 ✓ create table tb_depart
18 (
19     id_dept character VARYING(100) default 'ST' || nextval('id_dep') primary key,
20     name_dep character VARYING(20)
21 )
```

Membuat Fungsi SQL untuk mempermudah CRUD

```
23 ---insert function---
24 create function st_insert
25 (
26     _name character VARYING,
27     _phone character VARYING,
28     _address character VARYING,
29     _depart character VARYING
30 )
31 returns int AS
32 '
33 begin
34     insert into public.tb_employee
35     (
36         name,
37         phone,
38         address,
39         depart
40     )
41     values
42     (
43         _name,
44         _phone,
45         _address,
46         _depart
47     );
48     if found then
49         return 1;
50     else
51         return 0;
52     end if;
53 end
54 '
55 language plpgsql
```

```

57 ---select function---
58 create function st_select()
59 returns table
60 (
61     _id character VARYING,
62     _name character VARYING,
63     _phone character VARYING,
64     _address character VARYING,
65     _depart character VARYING
66 )
67 language plpgsql
68 as
69 '
70 begin
71     return query
72     select id,name,phone,address,depart from tb_employee;
73 end
74 '
75
76 ---Update Function---
77 create or replace function st_update
78 (
79     _id character VARYING,
80     _name character VARYING,
81     _phone character VARYING,
82     _address character VARYING,
83     _depart character VARYING
84 )
85 returns int AS
86 '
87 begin
88     update tb_employee SET
89         name=_name,
90         phone= phone.

```

```

91         address=_address,
92         depart=_depart
93     WHERE id=_id;
94     if found then
95         return 1;
96     else
97         return 0;
98     end if;
99 end
100 '
101 language plpgsql
102
103 ---Delete Function---
104 create or replace function st_delete (_id character VARYING)
105 returns int AS
106 '
107 begin
108     DELETE from public.tb_employee
109     WHERE id=_id;
110     if found then
111         return 1;
112     else
113         return 0;
114     end if;
115 end
116 '
117 language plpgsql

```

ERD Database

