**DB\_MELODI\_INDAH**

**1. CREATE SCRIPT**

**1.1 public.tb\_pemusik**

-- DROP TABLE IF EXISTS public.tb\_pemusik;

CREATE TABLE IF NOT EXISTS public.tb\_pemusik

(

ssn numeric(20,0) NOT NULL,

nama\_pemusik character(50) COLLATE pg\_catalog."default" NOT NULL,

alamat text COLLATE pg\_catalog."default",

no\_tlp numeric(15,0) NOT NULL,

CONSTRAINT tb\_pemusik\_pkey PRIMARY KEY (ssn)

)

TABLESPACE pg\_default;

ALTER TABLE IF EXISTS public.tb\_pemusik

OWNER to postgres;

**1.2 public.tb\_instrumen**

-- DROP TABLE IF EXISTS public.tb\_instrumen;

CREATE TABLE IF NOT EXISTS public.tb\_instrumen

(

id\_instrumen integer NOT NULL DEFAULT nextval('tb\_instrumen\_id\_instrumen\_seq'::regclass),

nama\_instrumen character(30) COLLATE pg\_catalog."default",

kunci\_musik kunci\_musik,

CONSTRAINT tb\_instrumen\_pkey PRIMARY KEY (id\_instrumen)

)

TABLESPACE pg\_default;

ALTER TABLE IF EXISTS public.tb\_instrumen

OWNER to postgres;

**1.3 public.tb\_pengarang**

-- DROP TABLE IF EXISTS public.tb\_pengarang;

CREATE TABLE IF NOT EXISTS public.tb\_pengarang

(

id\_pengarang integer NOT NULL DEFAULT nextval('tb\_pengarang\_id\_pengarang\_seq'::regclass),

nama\_pengarang character(50) COLLATE pg\_catalog."default",

CONSTRAINT tb\_pengarang\_pkey PRIMARY KEY (id\_pengarang)

)

TABLESPACE pg\_default;

ALTER TABLE IF EXISTS public.tb\_pengarang

OWNER to postgres;

**1.4 public.tb\_lagu**

-- DROP TABLE IF EXISTS public.tb\_lagu;

CREATE TABLE IF NOT EXISTS public.tb\_lagu

(

id\_lagu integer NOT NULL DEFAULT nextval('tb\_lagu\_id\_lagu\_seq'::regclass),

id\_pengarang integer,

judul\_lagu character(50) COLLATE pg\_catalog."default",

CONSTRAINT tb\_lagu\_pkey PRIMARY KEY (id\_lagu),

CONSTRAINT fk\_pengarang FOREIGN KEY (id\_pengarang)

REFERENCES public.tb\_pengarang (id\_pengarang) MATCH SIMPLE

ON UPDATE NO ACTION

ON DELETE NO ACTION

)

TABLESPACE pg\_default;

ALTER TABLE IF EXISTS public.tb\_lagu

OWNER to postgres;

**1.5 public.tb\_album**

-- DROP TABLE IF EXISTS public.tb\_album;

CREATE TABLE IF NOT EXISTS public.tb\_album

(

id\_album integer NOT NULL DEFAULT nextval('tb\_album\_id\_album\_seq'::regclass),

id\_lagu integer NOT NULL,

nama\_album character(50) COLLATE pg\_catalog."default" NOT NULL,

tgl\_copyright date NOT NULL,

format\_album format\_album NOT NULL,

CONSTRAINT tb\_album\_pkey PRIMARY KEY (id\_album),

CONSTRAINT fk\_lagu FOREIGN KEY (id\_lagu)

REFERENCES public.tb\_lagu (id\_lagu) MATCH SIMPLE

ON UPDATE NO ACTION

ON DELETE NO ACTION

)

TABLESPACE pg\_default;

ALTER TABLE IF EXISTS public.tb\_album

OWNER to postgres;

**1.6 public.tb\_instrumen\_musisi**

-- DROP TABLE IF EXISTS public.tb\_instrumen\_musisi;

CREATE TABLE IF NOT EXISTS public.tb\_instrumen\_musisi

(

id\_instrumen\_musisi integer NOT NULL DEFAULT nextval('tb\_instrumen\_musisi\_id\_instrumen\_musisi\_seq'::regclass),

id\_musisi integer,

id\_instrumen integer,

CONSTRAINT tb\_instrumen\_musisi\_pkey PRIMARY KEY (id\_instrumen\_musisi),

CONSTRAINT fk\_instrumen FOREIGN KEY (id\_instrumen)

REFERENCES public.tb\_instrumen (id\_instrumen) MATCH SIMPLE

ON UPDATE NO ACTION

ON DELETE NO ACTION,

CONSTRAINT fk\_musisi FOREIGN KEY (id\_musisi)

REFERENCES public.tb\_pemusik (ssn) MATCH SIMPLE

ON UPDATE NO ACTION

ON DELETE NO ACTION

)

TABLESPACE pg\_default;

ALTER TABLE IF EXISTS public.tb\_instrumen\_musisi

OWNER to postgres;

**1.7 public.tb\_musisi\_lagu**

-- DROP TABLE IF EXISTS public.tb\_musisi\_lagu;

CREATE TABLE IF NOT EXISTS public.tb\_musisi\_lagu

(

id\_musisi\_lagu integer NOT NULL DEFAULT nextval('tb\_musisi\_lagu\_id\_musisi\_lagu\_seq'::regclass),

id\_musisi integer NOT NULL,

id\_lagu integer NOT NULL,

CONSTRAINT tb\_musisi\_lagu\_pkey PRIMARY KEY (id\_musisi\_lagu),

CONSTRAINT fk\_lagu FOREIGN KEY (id\_lagu)

REFERENCES public.tb\_lagu (id\_lagu) MATCH SIMPLE

ON UPDATE NO ACTION

ON DELETE NO ACTION,

CONSTRAINT fk\_musisi FOREIGN KEY (id\_musisi)

REFERENCES public.tb\_pemusik (ssn) MATCH SIMPLE

ON UPDATE NO ACTION

ON DELETE NO ACTION

)

TABLESPACE pg\_default;

ALTER TABLE IF EXISTS public.tb\_musisi\_lagu

OWNER to postgres;

**1.8 public.tb\_produser**

-- DROP TABLE IF EXISTS public.tb\_produser;

CREATE TABLE IF NOT EXISTS public.tb\_produser

(

id\_produser integer NOT NULL DEFAULT nextval('tb\_produser\_id\_produser\_seq'::regclass),

id\_musisi integer NOT NULL,

id\_album integer NOT NULL,

CONSTRAINT tb\_produser\_pkey PRIMARY KEY (id\_produser),

CONSTRAINT fk\_album FOREIGN KEY (id\_album)

REFERENCES public.tb\_album (id\_album) MATCH SIMPLE

ON UPDATE NO ACTION

ON DELETE NO ACTION,

CONSTRAINT fk\_musisi FOREIGN KEY (id\_musisi)

REFERENCES public.tb\_pemusik (ssn) MATCH SIMPLE

ON UPDATE NO ACTION

ON DELETE NO ACTION

)

TABLESPACE pg\_default;

ALTER TABLE IF EXISTS public.tb\_produser

OWNER to postgres;

**2. INSERT DATA**

**3. QUERY**

**1.1 Judul lagu & Nama album**

select l.judul\_lagu, a.nama\_album, a.tgl\_copyright, a.format\_album

from tb\_album as a

left join tb\_lagu as l on a.id\_lagu = l.id\_lagu

**1.2. nama-nama instrumen**

select \* from tb\_instrumen

**1.3. nama-nama musisi**

select \* from tb\_pemusik

**1.4. nama-nama pengarang**

select \* from tb\_pengarang

**1.5. instrumen yang dipakai musisi**

select p.nama\_pemusik, i.nama\_instrumen from tb\_instrumen\_musisi as im

left join tb\_pemusik as p on im.id\_musisi = p.ssn

left join tb\_instrumen as i on im.id\_instrumen = i.id\_instrumen

**1.6. nama lagu dan pengarang**

select p.nama\_pengarang, l.judul\_lagu from tb\_lagu as l

left join tb\_pengarang as p on l.id\_pengarang = p.id\_pengarang

**1.7. nama musisi dan lagu**

select p.nama\_pemusik, l.judul\_lagu from tb\_musisi\_lagu as ml

left join tb\_pemusik as p on ml.id\_musisi = p.ssn

left join tb\_lagu as l on ml.id\_lagu = l.id\_lagu

**1.8. produser musik**

select p.id\_produser, z.nama\_pemusik, a.nama\_album from tb\_produser as p

left join tb\_pemusik as z on p.id\_musisi = z.ssn

left join tb\_album as a on p.id\_album = a.id\_album