CMS SQL DDL

CREATE TABLE "CMS".admin

(

admin\_id integer NOT NULL DEFAULT nextval('"CMS".admin\_admin\_id\_seq'::regclass),

emp\_id integer NOT NULL,

password character varying(30) COLLATE pg\_catalog."default" NOT NULL,

admin\_type\_id integer NOT NULL,

CONSTRAINT admin\_pkey PRIMARY KEY (admin\_id),

CONSTRAINT admin\_admin\_type\_id\_fkey FOREIGN KEY (admin\_type\_id)

REFERENCES "CMS".admin\_type (admin\_type\_id) MATCH SIMPLE

ON UPDATE CASCADE

ON DELETE RESTRICT

NOT VALID,

CONSTRAINT admin\_emp\_id\_fkey FOREIGN KEY (emp\_id)

REFERENCES "CMS".employee (employee\_id) MATCH SIMPLE

ON UPDATE CASCADE

ON DELETE CASCADE

NOT VALID

)

CREATE TABLE "CMS".admin\_type

(

admin\_type\_id integer NOT NULL DEFAULT nextval('"CMS".admin\_type\_id\_seq'::regclass),

name character varying(30) COLLATE pg\_catalog."default" NOT NULL,

CONSTRAINT admin\_type\_pkey PRIMARY KEY (admin\_type\_id)

)

CREATE TABLE "CMS".agency\_branch\_connection

(

branch\_id integer NOT NULL,

agency\_id integer NOT NULL,

CONSTRAINT agency\_branch\_connection\_pkey PRIMARY KEY (branch\_id, agency\_id),

CONSTRAINT agency\_branch\_connection\_agency\_id\_fkey FOREIGN KEY (agency\_id)

REFERENCES "CMS".transport\_agency (transport\_id) MATCH SIMPLE

ON UPDATE NO ACTION

ON DELETE NO ACTION

NOT VALID,

CONSTRAINT agency\_branch\_connection\_branch\_id\_fkey FOREIGN KEY (branch\_id)

REFERENCES "CMS".branch (branch\_id) MATCH SIMPLE

ON UPDATE NO ACTION

ON DELETE NO ACTION

NOT VALID

)

CREATE TABLE "CMS".agency\_route

(

id integer NOT NULL DEFAULT nextval('"CMS".agency\_route\_id\_seq'::regclass),

agency\_id integer NOT NULL,

to\_city\_id integer NOT NULL,

CONSTRAINT agency\_route\_pkey PRIMARY KEY (id),

CONSTRAINT agency\_route\_agency\_id\_fkey FOREIGN KEY (agency\_id)

REFERENCES "CMS".transport\_agency (transport\_id) MATCH SIMPLE

ON UPDATE CASCADE

ON DELETE RESTRICT

NOT VALID,

CONSTRAINT agency\_route\_to\_city\_id\_fkey FOREIGN KEY (to\_city\_id)

REFERENCES "CMS".city (city\_id) MATCH SIMPLE

ON UPDATE CASCADE

ON DELETE RESTRICT

NOT VALID

)

CREATE TABLE "CMS".branch

(

branch\_id integer NOT NULL DEFAULT nextval('"CMS".branch\_branch\_id\_seq'::regclass),

branch\_name character varying(30) COLLATE pg\_catalog."default" NOT NULL,

email character varying(50) COLLATE pg\_catalog."default" NOT NULL,

mobile character varying(15) COLLATE pg\_catalog."default" NOT NULL,

locality character varying(30) COLLATE pg\_catalog."default",

area character varying(30) COLLATE pg\_catalog."default" NOT NULL,

city\_id integer NOT NULL,

pincode character(6) COLLATE pg\_catalog."default" NOT NULL,

CONSTRAINT branch\_pkey PRIMARY KEY (branch\_id),

CONSTRAINT branch\_city\_id\_fkey FOREIGN KEY (city\_id)

REFERENCES "CMS".city (city\_id) MATCH SIMPLE

ON UPDATE CASCADE

ON DELETE RESTRICT

NOT VALID

)

CREATE TABLE "CMS".city

(

city\_id integer NOT NULL DEFAULT nextval('"CMS".city\_city\_id\_seq'::regclass),

city\_name character varying(30) COLLATE pg\_catalog."default" NOT NULL,

state\_id integer NOT NULL,

CONSTRAINT city\_pkey PRIMARY KEY (city\_id),

CONSTRAINT city\_state\_id\_fkey FOREIGN KEY (state\_id)

REFERENCES "CMS".state (state\_id) MATCH SIMPLE

ON UPDATE CASCADE

ON DELETE RESTRICT

NOT VALID

)

CREATE TABLE "CMS".client

(

client\_id integer NOT NULL DEFAULT nextval('"CMS".client\_client\_id\_seq'::regclass),

first\_name character varying(30) COLLATE pg\_catalog."default" NOT NULL,

middle\_name character varying(30) COLLATE pg\_catalog."default",

last\_name character varying(30) COLLATE pg\_catalog."default" NOT NULL,

email character varying(50) COLLATE pg\_catalog."default",

mobile character varying(15) COLLATE pg\_catalog."default" NOT NULL,

gender character(1) COLLATE pg\_catalog."default" NOT NULL,

locality character varying(30) COLLATE pg\_catalog."default",

area character varying(30) COLLATE pg\_catalog."default" NOT NULL,

city\_id integer NOT NULL,

pincode character(6) COLLATE pg\_catalog."default" NOT NULL,

CONSTRAINT client\_pkey PRIMARY KEY (client\_id),

CONSTRAINT client\_city\_id\_fkey FOREIGN KEY (city\_id)

REFERENCES "CMS".city (city\_id) MATCH SIMPLE

ON UPDATE NO ACTION

ON DELETE NO ACTION

NOT VALID,

CONSTRAINT client\_gender\_check CHECK (gender = ANY (ARRAY['M'::bpchar, 'F'::bpchar, 'O'::bpchar]))

)

CREATE TABLE "CMS".courier

(

courier\_id integer NOT NULL DEFAULT nextval('"CMS".courier\_courier\_id\_seq'::regclass),

client\_id integer NOT NULL,

receiver\_id integer NOT NULL,

branch\_id integer NOT NULL,

description character varying(100) COLLATE pg\_catalog."default",

weight real NOT NULL,

CONSTRAINT courier\_pkey PRIMARY KEY (courier\_id),

CONSTRAINT courier\_branch\_id\_fkey FOREIGN KEY (branch\_id)

REFERENCES "CMS".branch (branch\_id) MATCH SIMPLE

ON UPDATE CASCADE

ON DELETE RESTRICT

NOT VALID,

CONSTRAINT courier\_client\_id\_fkey FOREIGN KEY (client\_id)

REFERENCES "CMS".client (client\_id) MATCH SIMPLE

ON UPDATE CASCADE

ON DELETE RESTRICT

NOT VALID,

CONSTRAINT courier\_receiver\_id\_fkey FOREIGN KEY (receiver\_id)

REFERENCES "CMS".receiver (receiver\_id) MATCH SIMPLE

ON UPDATE CASCADE

ON DELETE RESTRICT

NOT VALID

)

CREATE TABLE "CMS".designation

(

designation\_id integer NOT NULL DEFAULT nextval('"CMS".designation\_designation\_id\_seq'::regclass),

designation\_name character varying(50) COLLATE pg\_catalog."default" NOT NULL,

CONSTRAINT designation\_pkey PRIMARY KEY (designation\_id)

)

CREATE TABLE "CMS".employee

(

employee\_id integer NOT NULL DEFAULT nextval('"CMS".employee\_employee\_id\_seq'::regclass),

first\_name character varying(30) COLLATE pg\_catalog."default",

middle\_name character varying(30) COLLATE pg\_catalog."default",

last\_name character varying(30) COLLATE pg\_catalog."default",

gender character(1) COLLATE pg\_catalog."default",

salary integer,

designation\_id integer,

branch\_id integer,

date\_of\_birth date,

job\_starting\_date date,

job\_endling\_date date,

email character varying(50) COLLATE pg\_catalog."default",

mobile character varying(15) COLLATE pg\_catalog."default",

locality character varying(30) COLLATE pg\_catalog."default",

area character varying(30) COLLATE pg\_catalog."default",

city\_id integer,

pincode character(6) COLLATE pg\_catalog."default",

CONSTRAINT employee\_pkey PRIMARY KEY (employee\_id),

CONSTRAINT employee\_branch\_id\_fkey FOREIGN KEY (branch\_id)

REFERENCES "CMS".branch (branch\_id) MATCH SIMPLE

ON UPDATE CASCADE

ON DELETE RESTRICT

NOT VALID,

CONSTRAINT employee\_city\_id\_fkey FOREIGN KEY (city\_id)

REFERENCES "CMS".city (city\_id) MATCH SIMPLE

ON UPDATE CASCADE

ON DELETE RESTRICT

NOT VALID,

CONSTRAINT employee\_designation\_id\_fkey FOREIGN KEY (designation\_id)

REFERENCES "CMS".designation (designation\_id) MATCH SIMPLE

ON UPDATE CASCADE

ON DELETE RESTRICT

NOT VALID,

CONSTRAINT employee\_gender\_check CHECK (gender = ANY (ARRAY['M'::bpchar, 'F'::bpchar, 'O'::bpchar]))

)

CREATE TABLE "CMS".expenses

(

expense\_id integer NOT NULL DEFAULT nextval('"CMS".expenses\_expense\_id\_seq'::regclass),

branch\_id integer NOT NULL,

amount integer NOT NULL,

description character varying(200) COLLATE pg\_catalog."default",

expense\_date date NOT NULL,

CONSTRAINT expenses\_pkey PRIMARY KEY (expense\_id),

CONSTRAINT expenses\_branch\_id\_fkey FOREIGN KEY (branch\_id)

REFERENCES "CMS".branch (branch\_id) MATCH SIMPLE

ON UPDATE CASCADE

ON DELETE RESTRICT

NOT VALID

)

CREATE TABLE "CMS".payment

(

payment\_id integer NOT NULL DEFAULT nextval('"CMS".payment\_payment\_id\_seq'::regclass),

payment\_amount real NOT NULL,

date date NOT NULL,

CONSTRAINT payment\_pkey PRIMARY KEY (payment\_id)

)

CREATE TABLE "CMS".receiver

(

receiver\_id integer NOT NULL DEFAULT nextval('"CMS".receiver\_receiver\_id\_seq'::regclass),

first\_name character varying(30) COLLATE pg\_catalog."default" NOT NULL,

middle\_name character varying(30) COLLATE pg\_catalog."default",

last\_name character varying(30) COLLATE pg\_catalog."default" NOT NULL,

gender character(1) COLLATE pg\_catalog."default" NOT NULL,

email character varying(50) COLLATE pg\_catalog."default",

mobile character varying(15) COLLATE pg\_catalog."default" NOT NULL,

locality character varying(30) COLLATE pg\_catalog."default",

area character varying(30) COLLATE pg\_catalog."default" NOT NULL,

city\_id integer NOT NULL,

pincode character(6) COLLATE pg\_catalog."default" NOT NULL,

CONSTRAINT receiver\_pkey PRIMARY KEY (receiver\_id),

CONSTRAINT receiver\_city\_id\_fkey FOREIGN KEY (city\_id)

REFERENCES "CMS".city (city\_id) MATCH SIMPLE

ON UPDATE CASCADE

ON DELETE SET NULL

NOT VALID,

CONSTRAINT receiver\_gender\_check1 CHECK (gender = ANY (ARRAY['M'::bpchar, 'F'::bpchar, 'O'::bpchar])) NOT VALID

)

CREATE TABLE "CMS".state

(

state\_id integer NOT NULL DEFAULT nextval('"CMS".state\_state\_id\_seq'::regclass),

state\_name character varying(50) COLLATE pg\_catalog."default" NOT NULL,

CONSTRAINT state\_pkey PRIMARY KEY (state\_id)

)

CREATE TABLE "CMS".transaction

(

transaction\_id integer NOT NULL DEFAULT nextval('"CMS".transaction\_transaction\_id\_seq'::regclass),

courier\_id integer NOT NULL,

sending\_branch\_id integer NOT NULL,

reciver\_branch\_id integer NOT NULL,

transport\_id integer NOT NULL,

deliver\_employee\_id integer NOT NULL,

courier\_pickup\_datetime timestamp without time zone NOT NULL,

courier\_delivery\_datetime timestamp without time zone NOT NULL,

agency\_pickup\_date timestamp(4) without time zone NOT NULL,

agency\_delivery\_date timestamp(4) without time zone NOT NULL,

transport\_status\_id integer NOT NULL,

agency\_payment\_amount integer,

payment\_id integer NOT NULL,

courier\_payment\_amount integer,

CONSTRAINT transaction\_pkey PRIMARY KEY (transaction\_id),

CONSTRAINT transaction\_courier\_id\_fkey FOREIGN KEY (courier\_id)

REFERENCES "CMS".courier (courier\_id) MATCH SIMPLE

ON UPDATE CASCADE

ON DELETE RESTRICT

NOT VALID,

CONSTRAINT transaction\_deliver\_employee\_id\_fkey FOREIGN KEY (deliver\_employee\_id)

REFERENCES "CMS".employee (employee\_id) MATCH SIMPLE

ON UPDATE CASCADE

ON DELETE RESTRICT

NOT VALID,

CONSTRAINT transaction\_payment\_id\_fkey FOREIGN KEY (payment\_id)

REFERENCES "CMS".payment (payment\_id) MATCH SIMPLE

ON UPDATE NO ACTION

ON DELETE NO ACTION

NOT VALID,

CONSTRAINT transaction\_reciver\_branch\_id\_fkey FOREIGN KEY (reciver\_branch\_id)

REFERENCES "CMS".branch (branch\_id) MATCH SIMPLE

ON UPDATE CASCADE

ON DELETE RESTRICT

NOT VALID,

CONSTRAINT transaction\_sending\_branch\_id\_fkey FOREIGN KEY (sending\_branch\_id)

REFERENCES "CMS".branch (branch\_id) MATCH SIMPLE

ON UPDATE CASCADE

ON DELETE RESTRICT

NOT VALID,

CONSTRAINT transaction\_transport\_id\_fkey FOREIGN KEY (transport\_id)

REFERENCES "CMS".transport\_agency (transport\_id) MATCH SIMPLE

ON UPDATE CASCADE

ON DELETE RESTRICT

NOT VALID,

CONSTRAINT transaction\_transport\_status\_id\_fkey FOREIGN KEY (transport\_status\_id)

REFERENCES "CMS".transport\_status (status\_id) MATCH SIMPLE

ON UPDATE CASCADE

ON DELETE RESTRICT

NOT VALID,

CONSTRAINT transaction\_check CHECK (courier\_payment\_amount > agency\_payment\_amount) NOT VALID

)

CREATE TABLE "CMS".transport\_agency

(

transport\_id integer NOT NULL DEFAULT nextval('"CMS".transport\_agency\_transport\_id\_seq'::regclass),

agency\_name character varying(30) COLLATE pg\_catalog."default" NOT NULL,

email character varying(50) COLLATE pg\_catalog."default",

mobile character varying(15) COLLATE pg\_catalog."default" NOT NULL,

locality character varying(30) COLLATE pg\_catalog."default",

area character varying(30) COLLATE pg\_catalog."default" NOT NULL,

city\_id integer NOT NULL,

pincode character varying(6) COLLATE pg\_catalog."default" NOT NULL,

CONSTRAINT transport\_agency\_pkey PRIMARY KEY (transport\_id),

CONSTRAINT transport\_agency\_city\_id\_fkey FOREIGN KEY (city\_id)

REFERENCES "CMS".city (city\_id) MATCH SIMPLE

ON UPDATE CASCADE

ON DELETE RESTRICT

NOT VALID

)

CREATE TABLE "CMS".transport\_status

(

status\_id integer NOT NULL DEFAULT nextval('"CMS".transport\_status\_status\_id\_seq'::regclass),

status\_name character varying(50) COLLATE pg\_catalog."default" NOT NULL,

CONSTRAINT transport\_status\_pkey PRIMARY KEY (status\_id)

)