DDL Statements

create table vehicle\_types (

type\_id serial NOT NULL PRIMARY KEY ,

wheels int NOT NULL CHECK(wheels>=2 AND wheels<=12),

type\_name varchar(20) NOT NULL

);

create table vehicle\_types (

type\_id serial NOT NULL PRIMARY KEY ,

wheels int NOT NULL CHECK(wheels>=2 AND wheels<=12),

type\_name varchar(20) NOT NULL

);

create table vehicle\_models (

model\_id serial NOT NULL PRIMARY KEY,

model\_name varchar(20) NOT NULL,

unit\_type varchar(5) NOT NULL,

cubic\_cm int NOT NULL,

manu\_id int NOT NULL REFERENCES manufacturers(manu\_id) ON DELETE RESTRICT ON UPDATE CASCADE,

type\_id int NOT NULL REFERENCES vehicle\_types(type\_id) ON DELETE RESTRICT ON UPDATE CASCADE

)

create table customers (

cid serial PRIMARY KEY,

cname varchar(50) NOT NULL,

cemail varchar(30) NOT NULL,

ccontact bigint NOT NULL check(ccontact>0) UNIQUE,

caddress varchar(100) NOT NULL

)

create table manufacturers(

manu\_id serial PRIMARY KEY,

manu\_name varchar(50) NOT NULL,

manu\_address varchar(100) NOT NULL,

manu\_contact bigint NOT NULL,

manu\_email varchar(30) NOT NULL

)

create table payments (

pay\_id serial PRIMARY KEY,

amount numeric(7) NOT NULL,

pay\_mode varchar(10) check(pay\_mode in('cash','cheque','card'))

)

create table service\_providers(

pro\_id serial PRIMARY KEY,

pro\_name varchar(20) NOT NULL,

pro\_address varchar(100) NOT NULL,

pro\_branch varchar(20) UNIQUE,

pro\_contact bigint NOT NULL,

pro\_email varchar(30)

)

create table staff\_details(

staff\_id serial PRIMARY KEY,

staff\_name varchar(50) NOT NULL,

staff\_contact bigint NOT NULL,

pro\_id int NOT NULL REFERENCES service\_providers (pro\_id) ON DELETE RESTRICT ON UPDATE CASCADE

)

CREATE TABLE vehicles (

vehicle\_id int PRIMARY KEY,

engine\_no varchar(20) NOT NULL,

regis\_no varchar(20) NOT NULL,

cid int NOT NULL REFERENCES customers (cid) ON DELETE RESTRICT ON UPDATE CASCADE,

model\_id int NOT NULL REFERENCES vehicle\_models (model\_id) ON DELETE RESTRICT ON UPDATE CASCADE

)

create table services(

service\_id serial PRIMARY KEY,

service\_info varchar(100),

service\_mode varchar(10) check(service\_mode in('free','paid')),

vehicle\_id int NOT NULL REFERENCES vehicles (vehicle\_id) ON DELETE RESTRICT ON UPDATE CASCADE,

staff\_id int NOT NULL REFERENCES staff\_details (staff\_id) ON DELETE RESTRICT ON UPDATE CASCADE,

pay\_id int NOT NULL REFERENCES payments (pay\_id) ON DELETE RESTRICT ON UPDATE CASCADE

)